

**Birth and Death Statistics
by Health Units of Alberta
1984**

Alberta

DIVISION SUPPORT BRANCH
COMMUNITY HEALTH
Community and Occupational Health
August 1986

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TABLE OF CONTENTS

	Page
INTRODUCTION	
General Framework	1
Birth and Death Statistics	2
Population Estimates	3
Small Area Statistics	4
Chapter Contents	4
List of Selected Causes of Death	12
CHAPTER 1.	
<u>LIVE BIRTHS, 1984</u>	
Female Population, Child Bearing Age Groups (10 - 49)	1.1
Live Births	1.3
Birth Order	1.7
Birthweight	1.10
Live Births to Single Mothers	1.12
Live Births to Teenage Mothers	1.17
Live Births to Single Teenage Mothers	1.20
<u>STILLBIRTHS AND INFANT MORTALITY, 1984</u>	
Number of Stillbirths Among Married Females	2.1
Number of Stillbirths Among Single Females	2.2
Number of Infant Deaths and Death Rates	2.4
Number of Perinatal Deaths and Perinatal Death Rates	2.6
<u>MALE DEATHS, 1984</u>	
CHAPTER 3.	
Male Population, All Ages	3.1
All Causes	3.3
All Cancer	3.7
Colon Cancer	3.11
Lung Cancer	3.15
Diabetes Mellitus	3.19
Ischemic Heart Disease	3.23

TABLE OF CONTENTS

Page

CHAPTER 3.

MALE DEATHS, 1984 (cont'd)

Cerebrovascular Disease	3.27
Pneumonia	3.31
Chronic Obstructive Lung Disease	3.35
Liver Cirrhosis	3.39
Congenital Anomaly	3.43
Motor Vehicle Accidents	3.47
Suicide	3.51
Prostate Cancer	3.55

CHAPTER 4.

FEMALE DEATHS, 1984

Female Population, All Ages	4.1
All Causes	4.3
All Cancer	4.7
Colon Cancer	4.11
Lung Cancer	4.15
Diabetes Mellitus	4.19
Ischemic Heart Disease	4.23
Cerebrovascular Disease	4.27
Pneumonia	4.31
Chronic Obstructive Lung Disease	4.35
Liver Cirrhosis	4.39
Congenital Anomaly	4.43
Motor Vehicle Accidents	4.47
Suicide	4.51
Female Breast Cancer	4.55

Appendix A

Appendix B



GENERAL FRAMEWORK

This is the second annual report dealing with natality and mortality patterns observed at the health unit level. This volume contains birth and death statistics and related indices for the year 1984 for Alberta and is disaggregated by 27 Health Units. The tables and figures which follow provide an overview of natality and mortality in this province from the perspective of individual health units at least to the extent that this is possible from vital statistics.

By considering births and deaths on a health unit basis, this report acknowledges the differences that exist from one area of the province to another. It is not always possible to offer an explanation as to why such variation exists, and no attempt has been made in this volume to provide one. Any explanation would need to be based on a comprehensive understanding of the various demographic and socio-economic characteristics of the health units and this knowledge is most readily available at the community level.

In data format this report closely resembles the second report published in July 1985(1). The emphasis is on natality and mortality of individual health units as observed in 1984. The point of view has been adopted that the situation for Alberta is mainly relevant insofar as it provides a convenient standard for gauging patterns in this province. To that end, all age-standardized rates in the report have been standardized to an Alberta population 1984. It is hoped this information will prove useful to those involved in planning at both the health unit and provincial levels.

Many of the notions considered in this report will be new to certain readers. So it is necessary to have an educational component to the report. As each new demographic indicator is introduced it is accompanied by the corresponding background material or mathematical formula. Appendix A gives the details of the demographic methods used. The report is divided into four chapters, dealing with births, stillbirth and infant mortality, deaths in the male popula-

¹ Division Support Branch, Alberta Social Services and Community Health, Birth and Death Statistics by Local Health Authorities, 1983. Edmonton: Alberta Social Services and Community Health.

tion, and deaths in the female population, respectively. Before proceeding to a general discussion of the chapter contents, a few remarks are in order concerning the statistics upon which this report is based and produced.

BIRTH AND DEATH STATISTICS

All the birth and death statistics used in the preparation of this report originated with Alberta Vital Statistics. A proper interpretation of the tables and figures in the pages that follow requires an understanding of some of the features of the Alberta Vital Statistics registration and reporting system. As each birth or death is registered, Alberta Vital Statistics assigns the vital event to a health unit on the basis of the registrant's place of usual residence, provided, of course, that the individual involved is an Albertan. This may or may not be the health unit where the vital event took place.

Alberta Vital Statistics also registers births and deaths involving residents of other provinces and countries, but these will not be considered here. By the same token, if a resident of Alberta gives birth or dies while outside this province, the registration will not be known to Alberta Vital Statistics. This results in a small degree of undercounting with respect to vital events involving Albertans; however the shortfall is not large (approximately 448 births (1%) and 227 deaths (2%) in 1983.(2)

The single exception to the above method of reporting has to do with residents of certain Indian reservations. Because of a special arrangement between the neighbouring health units and Alberta Vital Statistics, births and deaths involving residents of these reservations are not assigned to the health unit in question, but rather given their own identifier.(3, 4) This makes it impossible to assign these vital events to a health unit without going back to the original registrations. Consequently these statistics have been excluded from the present report. However, data from

- 2 Statistics Canada, 1984. Vital Statistics: Volume 1, Birth and Deaths, 1983. Ottawa: Minister of Supply and Services Canada. Catalogue Number 84-204.
- 3 Division Support Branch, Alberta Social Services and Community Health, 1983. A Study of the Methods of Reporting Vital Statistics and Communicable Diseases by Local Health Authority (unpublished document).
- 4 Birth and Death Statistics by Local Health Authority - 1983, opcit.

Alberta Vital Statistics indicate that the resulting undercounting is small (approximately 70 births (0.15%) and 32 deaths (0.25%) in 1983).

Alberta Vital Statistics publishes an Annual Report containing, along with other information, birth and death statistics. In theory, the entries in the 1984 report should coincide exactly with those given here. However, certain discrepancies can be found. For example, Alberta Vital Statistics sets the total number of deaths (Alberta residents only) at 12,386 which is to be compared to 12,507 computed from Tables 2.3 and 3.3 in this report. Other differences can be found for births and for different causes of death. The explanation is that the Alberta Vital Statistics system is a dynamic one, with registrations being updated, late registrations being filed and similar data modifications made. Since this report was prepared over half a year after the 1984 annual report was assembled by Alberta Vital Statistics, it is to be expected that differences will exist. However, from the point of computing health indices these differences are not important. At the same time, this also means that the statistics used in the present report are actually going to be slightly more accurate and complete than those going into the Alberta Vital Statistics Annual Report.

POPULATION ESTIMATES

A large part of this report is concerned with birth and death rates. To compute these it is necessary to have estimates of population size. Certain of the health units are included in a municipal census, and in these cases up-to-date enumerations are available. In order to have a uniform method applicable to all health units it was decided to estimate all 1984 health unit populations by projecting the health unit enumerations from the national census of 1981. The details of the method of projection are given in Appendix A.

SMALL AREA STATISTICS

The preceding sections dealt with some of the characteristics of the statistics that have been used in this report. A related consideration has to do with the problem of small area statistics.(5, 6) This refers to the difficulties inherent in the analysis of statistics arising out of relatively sparsely populated areas. Because of the small numbers involved, indices computed from such statistics tend to be subject to random fluctuation. In the context of the present report, differences that appear to exist between one health unit and the next may be partly due to chance variation.

CHAPTER CONTENTS

Each chapter begins with a description of the relevant population according to age group, and follows with a series of tables and figures dealing with either births or deaths. The latter are organized according to a definite format which will become apparent as the contents of the chapters are described. Within each chapter, pages are numbered consecutively. Tables and figures will be identified by referring to the corresponding page number.

CHAPTER 1. LIVE BIRTHS

Table 1.1 gives population estimates for females in the reproductive years (10-49) by five-year age groups, computed using the method described in Appendix A. Note that in this table the far right column gives the total number of females in each health unit and that the bottom row gives the provincial total for each age group.

Table 1.2 is derived directly from Table 1.1, and gives the percent of the population in each health unit falling in each of the age groups in the range 10-49. Due to rounding the row totals may not sum to 100.

5 Ibid.
6 Dierr, R. 1984. Small area statistics: large statistical problems. American Journal of Public Health 70: 313-314.

Table 1.3 gives the number of live births by age group and health unit. Once again the totals for the health units and Alberta are provided.

Table 1.4 gives the age-specific live birth rates (per 1,000 females). These rates, sometimes called fertility rates, are defined by:

$$\frac{\text{number of live births to women in age group}}{\text{number of women in age group}} \times 1,000$$

Although not shown, it is possible to assign confidence intervals to each of the rates in this table along the lines of Table 1.5. The method of computation is described in Appendix B. Because of the small numbers involved in some of the health units, the age-specific rates in this table would be expected to have rather wide confidence intervals. For this reason Table 1.4 should be interpreted with caution, especially when health units are being compared.

Table 1.5 has a number of indices related to the age-standardized live birth rates for the year 1984. The technique of age-standardization is discussed in Appendix B. In the present case, rates have been standardized to the 1984 Alberta female population, ages 10-49. This means that each of the age-standardized rates appearing in the first column of the table (where they are referred to simply as rates) is the live birth rate that would have been observed in each health unit in 1984 if the age distribution of women in the reproductive years in the health unit had been precisely the same as that observed in Alberta as a whole in the year 1984. This adjustment for differing age distributions (see Table 1.2) corrects for a potential source of artifactual error.

Associated with each of the (age-standardized) rates is a 95% confidence interval, with lower and upper limits shown in columns two and three. For details of the method of computation see Appendix B. These numbers bound the observed rate from below and above, respectively, and thereby give a range of numbers which include the true underlying rate with 95% confidence. The observed rate is simply one manifestation of the true underlying rate, which cannot be known with 100% confidence because of random variation. This means that the true underlying rate could be as small as the lower bound or as large as the upper bound. Typically the larger the population in question the narrower will be the confidence interval. Because they measure the reliability of the observed rate, the lower and upper confidence limits should always be considered along with the rate.

In the fourth column the rates (excluding that for Alberta) have been ranked from 1 to 27, with 1 for the largest rate and 27 for the smallest.

The fifth column gives ratios, computed by dividing the rate for each health unit by the Alberta rate. This gives a measure of the relative magnitude of the rate for each health unit compared to Alberta as a whole. The ranks and ratios are simply different ways of looking at the rates in column one.

The final column records the results of statistically testing for a difference between the rate for each of the health units and the rate for Alberta. The principles involved are described in Appendix B. If the health unit rate was found to be larger than that for Alberta, and statistically significantly so, then a "yes" was entered next to that health unit. If the health unit rate was observed to be less than the Alberta rate, or larger but not statistically significantly larger, then a dot was entered instead. Another approach to statistical testing would have involved looking for significant departures of the health unit rates from the Alberta rate whether higher or lower, and not just higher as in this report. However this would have meant using a test with less sensitivity to detect higher than average health unit rates. Since these are the departures which tend to be of most interest (especially in the case of death rates) the present approach was adopted.

It must be reiterated that statistical significance is purely a property of numbers; as a concept it has no biological, demographic or social content. Consequently, even if two rates are determined to be different in a formal statistical sense, it is another matter as to whether or not they are different in a biological (or other) sense. Since this is a judgement to be made by the informed reader - it is outside the realm of statistical tests.

Figure 1.6 is a map of the health units with the ranks from Table 1.5 inscribed. This provides a convenient method of searching for clusters of low or high ranks.

Tables 1.7 - 1.9 give the number of live births by order, where first order means the first live birth for the woman and similarly for higher order of births.

Tables 1.10 - 1.11 give a breakdown of live births by weight category.

Tables 1.12 - 1.14 and Figure 1.15 are similar in layout (and interpretation) to Tables 1.3 - 1.5 and Figure 1.6, except that here attention is restricted to live births to women who were single (that is, not legally married) at the time of birth.

Table 1.16 is computed directly from Table 1.12 and gives the percent of the live births occurring in each age group. Due to rounding errors row totals may not equal 100.

Table 1.17 - 1.18 and Figure 1.19 are, once again, formatted along the lines of Tables 1.3 - 1.5 and Figure 1.6, except that a single age group, the 15 - 19 year olds, is considered in detail. Consequently the age-specific and age-standardized rates coincide.

Table 1.20 - 1.21 and Figure 1.22 consider live births to single teenagers.

CHAPTER 2. STILLBIRTHS AND INFANT MORTALITY

This chapter presents a fairly detailed treatment of stillbirths and infant mortality in Alberta and the health units. First, data for stillbirths are provided. This is followed by infant mortality rates which also includes perinatal, early neonatal, late neonatal and post-neonatal mortality. The following figure illustrates the concept of stillbirths and infant mortality.

FIGURE A

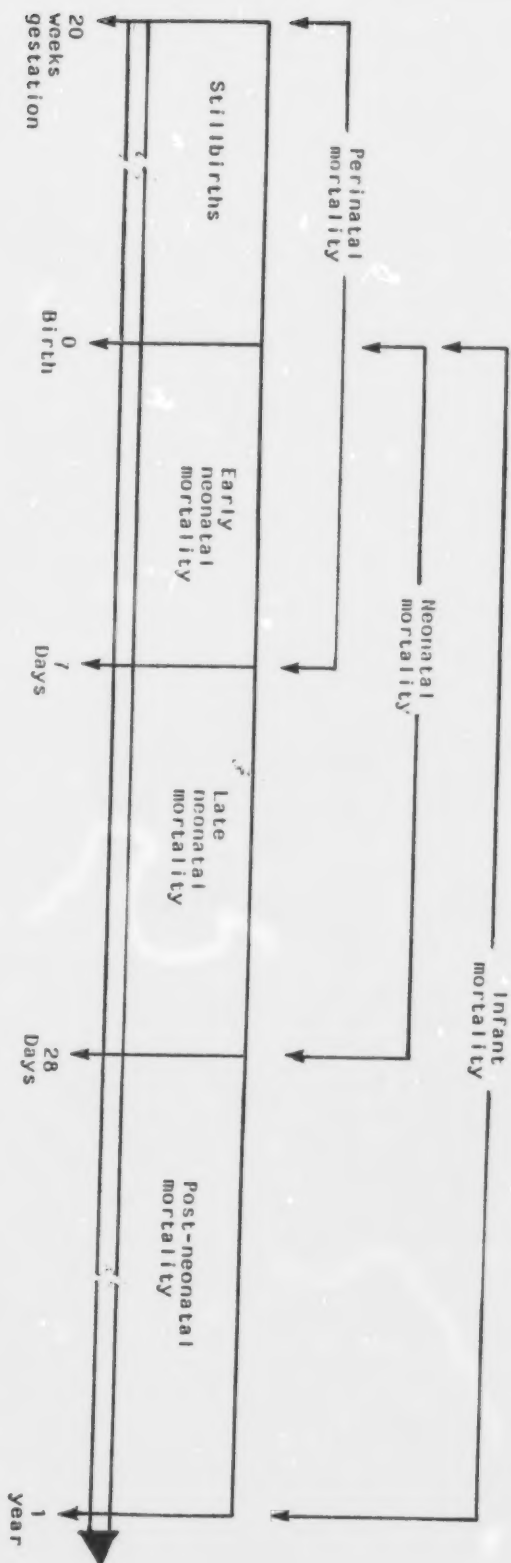


Table 2.1 - 2.2 gives the number of stillbirths among married females by age group and health units. Once again, the totals for the health units and Alberta are provided. Similarly, Table 2.2 shows the number of stillbirths among single females.

Table 2.3 presents the stillbirth ratios (per 1,000 births) for the health units and Alberta. Stillbirth ratios are defined by:

$$\frac{\text{stillbirths}}{\text{live births}} \times 1,000$$

It is the number of stillbirths relative to the number of livebirths. Since stillbirth statistics are less reliable than might be wished, stillbirth ratios should be interpreted with caution.

Table 2.4 shows the number of infant deaths and infant death rates, defined by:

$$\frac{\text{number of deaths under 1 Year of Age}}{\text{number of live births}} \times 1,000$$

Table 2.5 gives the age distribution of infant deaths (early neonatal deaths, late neonatal deaths and post-neonatal deaths).

Table 2.6 gives the number of perinatal deaths and perinatal death rates (per 1,000 births). Perinatal deaths consist of stillbirths and deaths within the first week of life. The perinatal death rate is defined by:

$$\frac{\text{stillbirths and first week deaths}}{\text{stillbirths and live births}} \times 1,000$$

Since stillbirths and first week deaths are approximately equal, and since stillbirth statistics are somewhat unreliable, as mentioned earlier perinatal death rates must be also interpreted with caution.

CHAPTERS 3 and 4, DEATHS

Chapters 3 and 4 deal with deaths in the male and female populations, respectively. The two chapters are identical in layout except that Chapter 3 includes prostate cancer and Chapter 4 includes female breast cancer. The usual approach to presenting mortality data by age group uses five-year age groups in the range from 5 to 85. For technical reasons it was not possible to fit this many columns on a page, and so somewhat broader age groups were used. These have been defined by aggregating five-year age groups in such a way as to cover meaningful periods in the lifespan. For example, 5 - 14 for the school years, 15 - 24 for early adulthood, etc.

The age-specific male death rate (per 100,000 males) is defined by:

$$\frac{\text{number of deaths to males in age group}}{\text{number of males in age group}} \times 1,000$$

The female rate is defined similarly. The age-standardized death rates in Chapters 3 and 4 have been standardized to the male and female populations of Alberta in 1984, respectively. So for each health unit, the male (female) age-standardized death rate for a given cause equals the death rate that would have been observed in that health unit if it had had the age distribution of males (females) in Alberta as a whole in 1984.

The format for Chapters 3 and 4 is basically the same as that used in Chapter 1. Following a description of the population by age group there is a series of four page units, each dealing with a specific cause of death. Each unit is structured along the lines of Tables 1.3 - 1.5 and Figure 1.6 of Chapter 1. Because there are far fewer deaths than live births per year, and because the deaths are spread out over both sexes and all age groups, the tables in Chapters 3 and 4 are much sparser looking than those of Chapter 1. As a result, the confidence intervals for the age-standardized death rates are generally quite wide. To an even greater degree this remark applies to confidence intervals for age specific death rates (not shown). For this reason, death rates should be interpreted with considerable caution. When a confidence interval lower limit extended into the negative numbers it has been reported

as such; another approach would have been to arbitrarily set it equal to 0. In certain cases several health units were found to have identical (age-standardized) rates. When this happened, ranks for these health units were assigned randomly rather than giving each of the health units involved the same intermediate rank. For the most part ties were due to several health units having no deaths due to a cause, and hence a rate of 0. Note that death rates are given per 100,000 males or females, whereas live birth rates are per 1,000 females.

The causes of death selected for study have been listed in the accompanying table along with the rubrics according to the International Classification of Diseases - ninth revision (ICD-9). The causes have been ordered in the table and in the chapters in ascending order of rubric number, except for prostate cancer in Chapter 3 and female breast cancer which has been placed at the end of Chapter 4. Because of this arrangement the tables and figures in Chapters 3 and 4 correspond by page numbers.

LIST OF SELECTED CAUSES OF DEATH

Cause of Death	ICD-9 Rubrics
All Causes	1 - 999
All Cancer	140 - 208
Colon Cancer	153 - 154
Lung Cancer	162
Female Breast Cancer	174
Prostate Cancer	185
Diabetes Mellitus	250
Ischemic Heart Disease	410 - 414
Cerebrovascular Disease	430 - 438
Pneumonia	480 - 486
Chronic Obstructive Lung Disease	490 - 493, 496
Liver Cirrhosis	571
Congenital Anomaly	740 - 759
Motor Vehicle Accidents	810 - 819
Suicide	950 - 959

Chapter 1
BIRTHS
1984



NUMBER IN POPULATION, 1984
FEMALES IN CHILD BEARING AGE GROUPS (10 - 49)

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	2131	2326	1988	2228	1940	1859	1418	1271	15161
Alberta West Central	1704	1706	1872	2031	1730	1377	1104	814	12338
Altabasca	1446	1365	1102	1190	1078	933	726	625	8465
Banff National Park	53	193	554	359	254	124	109	89	1735
Barons-Eureka-Warner	1781	1711	1430	1678	1465	1240	1041	898	11344
Big Country	510	512	467	488	453	377	309	284	3400
Calgary	20103	23993	37625	37859	30160	23851	17372	14559	205522
Chinook	1825	1724	1612	1683	1525	1297	1024	925	11615
Drumheller	1393	1289	1179	1476	1304	1130	818	751	9340
Edmonton	16890	22803	36157	33274	23539	19182	15353	13450	180648
Foothills	1296	1239	1189	1453	1454	1352	869	751	9603
Fort McMurray	1500	1356	2108	2390	1879	1340	755	457	11785
High Level-Fort Vermillion	699	548	573	494	387	358	257	194	3510
Jasper National Park	87	157	284	230	138	99	103	89	1187
Leduc-Strathcona	4863	3911	3326	5162	6074	5138	3145	2191	33810
Lethbridge	1869	2362	2898	2811	2288	1890	1510	1324	16952
Medicine Hat	2805	3102	3639	3776	3012	2581	1898	1613	22426
Minburn-Vermillion	1412	1522	1550	1627	1376	1173	858	846	10364
Mount View	2417	2272	2532	3406	2946	2458	1761	1492	19284
North Eastern Alberta	2082	2043	1747	1807	1730	1575	1207	951	13142
Peace River	1825	1890	1651	1874	1503	1402	1086	935	12166
Red Deer	4130	4804	5882	5914	4654	3903	3071	2380	34738
South Peace/Grande Prairie	2373	2478	3037	3277	2432	1995	1504	1172	18268
Stony Plain-Lac Ste. Anne	2713	3623	3254	3496	4858	2686	2768	1219	20074
Sturgeon	4101	3623	3254	4646	4858	4107	2768	2065	29422
Vegreville	1189	1060	823	1145	1133	933	795	725	7803
Wetoka	1602	1585	1492	1723	1514	1340	1018	925	11199
Alberta	84799	94003	122503	127497	104098	85800	63606	52995	735301

AGE DISTRIBUTIONS (IN %), 1984
FEMALES IN CHILD BEARING AGE GROUPS (10 - 49)

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Alberta East Central	14	15	13	15	13	12	9	8
Alberta West Central	14	14	15	16	14	11	9	7
Alberta North Central	17	16	13	14	13	11	9	7
Baron's-Lureka-Warner	3	11	32	21	15	7	6	5
Big Country	16	15	13	15	13	12	9	8
Calgary	15	15	14	14	13	11	9	8
Chinook	10	12	18	18	15	12	8	7
Drumheller	16	15	14	14	13	11	9	8
Edmonton	9	14	13	16	14	12	9	8
Foot Hills	13	13	20	18	13	11	8	7
Fort McMurray	13	12	12	20	15	14	9	8
High Level-Fort Vermilion	20	16	16	14	16	11	6	4
Jasper National Park	7	13	24	19	11	10	7	5
Leduc-Strathcona	14	12	10	15	12	8	9	7
Lethbridge	11	14	17	17	18	15	9	6
Medicine Hat	13	14	16	17	13	11	9	8
Minburn-Vermilion	14	15	15	16	13	12	8	7
Mount View	13	12	13	18	13	11	9	8
North Eastern Alberta	16	16	13	14	13	12	9	8
Peace River	15	16	14	15	12	12	9	7
Red Deer	12	14	17	17	13	11	9	8
South Peace/Grande Prairie	13	14	17	18	13	11	8	6
Sturgeon	14	12	13	17	16	13	9	6
Stony Plain-Lac Ste. Anne	14	12	11	16	17	14	9	7
Vegreville	15	14	11	15	15	12	10	9
Wetoka	14	14	13	15	14	12	9	8
Alberta	12	13	17	17	14	12	9	7

NUMBER OF LIVE BIRTHS, 1984

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	0	82	302	367	125	36	5	0	917
Alberta West Central	0	76	302	276	122	22	4	0	802
Althabasca	2	136	237	198	69	18	2	0	662
Banff National Park	0	2	12	22	24	1	0	0	61
Barons-Eureka-Warner	0	63	283	276	139	44	7	0	812
Big Country	8	21	80	99	35	6	0	0	241
Calgary	0	583	2875	4566	2626	613	45	2	11318
Chinook	0	99	297	305	155	30	4	0	890
Drumheller	0	50	209	228	101	20	3	0	611
Edmonton	12	708	3055	4028	2175	509	50	0	10537
Foot Hills	0	36	172	228	116	25	2	0	580
Fort McMurray	4	90	289	318	153	35	3	0	892
High Level-Fort Vermilion	1	71	152	123	44	31	8	0	430
Jasper National Park	0	2	28	31	14	3	0	0	78
Leduc-Strathcona	1	80	372	664	332	87	0	1	1545
Lethbridge	1	55	259	370	163	40	4	0	892
Medicine Hat	0	110	483	495	183	38	2	0	1312
Minburn-Vermilion	0	34	138	158	68	12	1	0	411
Mount View	2	67	329	474	274	55	8	1	1210
North Eastern Alberta	4	137	369	302	120	39	3	0	974
Peace River	3	124	323	301	104	27	5	0	887
Red Deer	1	178	744	831	331	70	9	1	2165
South Peace/Grande Prairie	3	120	427	415	162	38	7	0	1172
Stony Plain-Lac Ste. Anne	0	88	411	512	265	58	10	1	1345
Sturgeon	2	96	444	623	343	84	9	0	1601
Vegreville	0	25	130	164	78	29	3	0	429
Wetoka	3	92	255	264	96	18	2	1	731
Alberta	47	3225	12977	16638	8417	1988	204	9	43505

AGE-SPECIFIC LIVE BIRTH RATES (PER 1,000 FEMALES), 1984

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Alberta East Central	0.0	35.3	151.9	164.7	64.4	19.4	3.5	0.0
Alberta West Central	0.0	44.5	161.3	135.9	70.5	16.0	3.6	0.0
Athabasca	1.4	99.6	215.1	166.4	64.0	19.3	2.8	0.0
Banff National Park	0.0	10.4	21.7	61.3	94.5	8.1	0.0	0.0
Barons-Eureka-Warner	0.0	36.8	197.9	164.5	94.9	32.8	6.7	0.0
Big Country	0.0	41.0	171.3	202.9	77.3	15.9	0.0	0.0
Calgary	0.4	24.3	76.4	120.6	87.1	25.7	2.6	0.1
Chinook	0.0	57.4	184.2	181.2	101.6	23.1	3.9	0.0
Drumheller	0.0	38.8	177.3	154.5	77.5	17.7	3.7	0.0
Edmonton	0.7	31.0	84.5	121.1	92.4	26.5	3.3	0.0
Foot Hills	0.0	29.1	144.7	156.9	79.8	18.5	2.3	1.3
Fort McMurray	2.7	66.4	137.1	133.1	81.4	26.1	4.0	0.0
High Level-Fort Vermilion	1.4	129.6	265.3	249.0	113.7	86.6	31.1	0.0
Jasper National Park	0.0	12.7	98.6	134.8	101.4	30.3	0.0	0.0
Leduc-Strathcona	0.2	20.5	111.8	128.6	54.7	16.9	2.5	0.5
Lethbridge	0.5	23.3	89.4	131.6	71.2	14.7	2.6	0.0
Medicine Hat	0.0	35.5	132.7	131.1	60.8	21.2	1.1	0.6
Minburn-Vermilion	0.0	22.3	89.0	97.1	49.4	10.2	4.5	0.7
Mount View	0.8	29.5	129.9	139.2	93.0	22.4	2.5	0.0
North Eastern Alberta	1.9	67.1	211.2	167.1	69.4	24.8	4.6	0.0
Peace River	1.6	65.6	195.6	160.6	71.1	19.3	4.7	0.4
Red Deer	0.2	37.1	126.5	140.5	71.1	19.0	5.8	0.0
South Peace/Grande Prairie	1.3	48.4	140.6	126.6	66.6	21.6	3.3	0.8
Stony Plain-Lac Ste. Anne	0.0	36.2	162.3	146.5	70.6	31.1	3.8	0.0
Sturgeon	0.5	26.5	136.4	134.1	68.8	20.5	2.0	0.0
Vegreville	0.0	23.6	158.0	143.2	63.4	13.4	2.0	1.1
Wetoka	1.9	58.0	170.9	153.2	63.4	13.4	2.0	1.1
Alberta	0.6	34.3	105.9	130.5	80.9	23.2	3.2	0.2

AGE-STANDARDIZED LIVE BIRTH RATES (PER 1,000 FEMALES), 1984

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	70.1	65.5	74.6	11	1.18	YES
Alberta West Central	68.3	63.6	73.0	14	1.15	YES
Athabasca	89.1	82.2	96.0	2	1.51	YES
Banff National Park	29.9	22.2	37.6	27	0.51	YES
Barons-Lureka-Warner	84.0	78.2	89.9	5	1.42	YES
Big Country	81.8	71.4	92.1	6	1.38	YES
Calgary	52.4	51.4	53.3	25	0.89	YES
Chinook	86.9	81.2	92.6	3	1.47	YES
Drumheller	74.6	68.7	80.6	8	1.26	YES
Edmonton	55.6	54.5	56.6	22	0.94	YES
Foot Hills	68.8	63.1	74.4	13	1.16	YES
Fort McMurray	69.6	65.0	74.2	12	1.18	YES
High Level-Fort Vermilion	133.0	120.3	145.7	1	2.25	YES
Jasper National Park	59.3	45.8	72.8	21	1.00	YES
Leduc-Strathcona	53.5	50.8	56.3	23	0.90	YES
Lethbridge	53.5	50.0	57.1	24	0.90	YES
Medicine Hat	59.8	56.6	63.1	20	1.01	YES
Minburn-Vermilion	42.8	38.7	47.0	26	0.72	YES
Mount View	65.9	62.1	69.6	16	1.11	YES
North Eastern Alberta	85.9	80.4	91.3	4	1.45	YES
Peace River	81.5	76.1	86.9	7	1.38	YES
Red Deer	62.6	60.0	65.3	18	1.06	YES
South Peace/Grande Prairie	63.8	60.1	67.4	17	1.08	YES
Stony Plain-Lac Ste. Anne	71.6	67.7	75.5	10	1.21	YES
Sturgeon	62.1	59.0	65.2	19	1.05	YES
Vegreville	67.9	61.3	74.4	15	1.15	YES
Wetoka	73.5	68.1	78.8	9	1.24	YES
Alberta	59.2	58.6	59.7			



Alberta
CANADA

HEALTH UNITS
LOCAL BOARDS OF HEALTH
1980

LIVE BIRTHS, 1984

1.6

NUMBER OF FIRST ORDER LIVE BIRTHS, 1984

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	0	67	141	84	15	3	1	0	311
Alberta West Central	0	65	130	82	21	9	1	0	308
Alberta Athabasca	2	106	79	56	11	2	0	0	256
Banff National Park	0	2	8	16	14	0	0	0	40
Barons-Eureka-Warner	0	50	136	64	9	4	0	0	263
Big Country	0	18	44	29	6	1	0	0	98
Calgary	8	489	1702	2148	847	149	8	0	5351
Chinook	0	69	129	80	17	4	0	0	299
Drumheller	0	41	103	59	16	4	0	0	223
Edmonton	12	591	1724	1756	687	99	12	0	4881
Foot Hills	0	27	98	84	24	6	0	0	239
Fort McMurray	4	73	135	114	46	5	0	0	377
High Level-Fort Vermilion	1	53	125	28	3	1	0	0	141
Jasper National Park	0	2	14	13	7	1	0	0	37
Leduc-Strathcona	1	67	200	218	70	22	1	0	579
Lethbridge	1	42	149	138	31	3	0	0	579
Medicine Hat	0	92	249	161	43	7	0	0	364
Minburn-Vermilion	0	29	66	48	10	1	0	0	553
Mount View	2	55	174	145	63	2	1	0	154
North Eastern Alberta	4	112	161	84	17	4	0	0	442
Peace River	3	91	125	79	14	1	0	0	382
Red Deer	1	138	367	274	70	13	2	0	313
South Peace/Grande Prairie	3	95	189	122	32	6	0	0	865
Stony Plain-Lac Ste. Anne	0	59	196	165	51	15	2	0	442
Sturgeon	2	80	210	188	70	3	1	0	479
Vegreville	0	19	59	50	16	4	0	0	566
Wetoka	2	68	111	77	15	3	0	0	147
Alberta	46	2600	6754	6362	2225	370	29	1	18387

NUMBER OF SECOND ORDER LIVE BIRTHS, 1984

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	0	14	119	134	44	13	1	0	325
Alberta West Central	0	7	132	110	41	2	1	0	293
Athabasca	0	24	91	66	22	2	0	0	205
Banff National Park	0	0	2	5	7	0	0	0	14
Barons-Eureka-Warner	0	12	101	91	25	5	1	0	235
Big Country	0	3	24	34	9	0	0	0	70
Calgary	0	82	917	1646	1053	213	13	1	3925
Chinook	0	29	109	85	41	2	0	0	266
Drumheller	0	9	79	92	29	2	1	0	212
Edmonton	0	109	1005	1479	831	182	13	0	3619
Foothills	0	8	62	77	45	4	1	0	197
Fort McMurray	0	16	112	137	54	8	1	0	328
High Level-Fort Vermilion	0	17	50	27	3	2	0	0	99
Jasper National Park	0	0	11	11	3	0	0	0	25
Leduc-Strathcona	0	12	132	273	119	22	1	0	559
Lethbridge	0	12	83	132	54	15	1	0	297
Medicine Hat	0	16	187	197	55	7	1	0	463
Minburn-Vermilion	0	4	51	52	24	2	0	0	133
Mount View	0	11	105	198	107	23	0	0	444
North Eastern Alberta	0	20	151	93	35	6	0	0	305
Peace River	0	29	124	120	28	5	0	0	306
Red Deer	0	39	280	352	120	17	1	0	809
South Peace/Grande Prairie	0	19	172	165	51	10	1	0	418
Stony Plain-Lac Ste. Anne	0	27	146	201	98	19	0	0	491
Sturgeon	0	15	171	258	135	24	1	0	604
Vegreville	0	6	53	64	17	4	0	0	144
Wetoka	1	16	102	93	39	4	0	0	255
Alberta	1	556	4571	6192	3089	593	38	1	15041

NUMBER OF THIRD OR HIGHER ORDER LIVE BIRTHS, 1984

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	0	1	42	149	66	20	3	0	281
Alberta West Central	0	4	40	84	60	11	2	0	201
Athabasca	0	6	67	76	36	14	2	0	201
Banff National Park	0	0	2	1	3	1	0	0	7
Barons-Eureka-Warner	0	1	46	121	105	35	6	0	314
Big Country	0	0	12	36	20	5	0	0	73
Calgary	0	12	256	772	726	251	24	1	2042
Chinook	0	1	59	140	97	24	4	0	325
Drumheller	0	0	27	77	56	14	2	0	176
Edmonton	0	8	326	793	657	228	25	0	2037
Foot Hills	0	1	12	67	47	15	1	1	144
Fort McMurray	0	1	42	67	53	22	2	0	187
High Level-Fort Vermilion	0	1	47	68	38	28	8	0	190
Jasper National Park	0	0	3	7	4	2	0	0	16
Leduc-Strathcona	0	0	40	173	143	43	6	1	407
Lethbridge	0	1	27	100	78	22	3	0	231
Medicine Hat	0	2	47	137	85	24	1	0	296
Minburn-Vermilion	0	1	21	58	34	9	1	0	124
Mount View	0	1	50	131	104	30	7	1	324
North Eastern Alberta	0	5	57	125	68	29	3	0	287
Peace River	0	4	74	102	62	21	5	0	268
Red Deer	0	1	97	205	141	40	6	1	491
South Peace/Grande Prairie	0	6	66	128	79	27	6	0	312
Stony Plain-Lac Ste. Anne	0	2	69	146	116	33	8	1	375
Sturgeon	0	1	63	177	138	45	7	0	431
Vegreville	0	0	18	50	45	22	3	0	138
Wetoka	0	8	42	94	42	10	2	1	199
Alberta	0	69	1652	4084	3103	1025	137	7	10077

1.10

NUMBER OF LIVE BIRTHS IN WEIGHT (GRAMS) CATEGORIES, 1984

HEALTH UNIT	1,000	1,000-1,499	1,500-1,999	2,000-2,499	2,500-2,999	3,000-4,499	4,500+	TOTAL
Alberta East Central	3	6	9	26	154	706	13	917
Alberta West Central	2	1	14	40	129	605	11	802
Athabasca	1	5	5	17	104	518	12	862
Banff National Park	0	0	0	2	10	47	2	61
Barons-Eureka-Warner	2	4	6	34	138	616	12	812
Big Country	1	2	3	7	34	191	3	241
Calgary	44	51	104	426	1981	8547	165	11318
Chinook	1	3	6	24	136	703	17	890
Drumheller	3	3	8	33	83	472	9	611
Edmonton	51	58	114	422	1767	7958	167	10537
Foothills	2	7	1	19	84	461	8	580
Fort McMurray	1	0	8	33	94	729	20	892
High Level-Fort Vermilion	1	1	2	16	49	356	6	430
Jasper National Park	0	1	0	5	12	59	1	78
Leduc-Strathcona	12	10	19	51	229	1184	40	1545
Lethbridge	5	4	12	38	154	665	14	892
Medicine Hat	4	4	6	39	207	1025	27	1312
Minburn-Vermilion	2	2	7	13	68	313	6	411
Mount View	3	5	11	35	176	779	12	1210
North Eastern Alberta	0	2	10	37	127	692	16	974
Peace River	5	5	6	24	132	1652	26	887
Red Deer	13	10	22	78	362	160	28	2165
South Peace/Grande Prairie	5	9	18	31	160	938	11	1172
Stony Plain-Lac Ste. Anne	4	6	7	44	203	1067	14	1345
Sturgeon	4	8	17	45	242	1265	32	1601
Vegreville	2	7	6	14	50	341	9	429
Wetoka	1	2	3	21	106	583	15	731
Alberta	172	217	412	1574	6991	33443	696	43505

PERCENT OF LIVE BIRTHS IN WEIGHT (GRAMS) CATEGORIES, 1984

HEALTH UNIT	1,000	1,000-1,499	1,500-1,999	2,000-2,499	2,500-2,999	3,000-4,499	4,500+
Alberta East Central	0.3	0.7	1.0	2.8	16.8	77.0	1.4
Alberta West Central	0.2	0.1	1.7	5.0	16.1	75.4	1.4
Athabasca	0.2	0.8	0.8	2.6	15.7	78.2	1.8
Banff National Park	0.0	0.0	0.0	3.3	16.4	77.0	3.3
Barons-Eureka-Warner	0.2	0.5	0.7	4.2	17.0	75.9	1.5
Big Country	0.4	0.8	1.2	2.9	14.1	79.3	1.2
Calgary	0.4	0.5	0.9	3.8	17.5	75.5	1.5
Chinook	0.1	0.3	0.7	2.7	15.3	79.0	1.9
Drumheller	0.5	0.5	1.3	5.4	13.6	77.3	1.5
Edmonton	0.5	0.6	1.1	4.0	16.8	75.5	1.6
Foot Hills	0.3	0.9	0.2	3.3	14.5	79.5	1.4
Fort McMurray	0.1	0.8	0.9	3.7	10.5	81.7	2.2
High Level-Fort Vermilion	0.2	0.0	0.5	3.7	11.4	82.8	1.4
Jasper National Park	0.0	1.3	0.0	6.4	15.4	75.6	1.3
Leduc-Strathcona	0.8	0.6	1.2	3.3	17.3	76.6	2.6
Lethbridge	0.6	0.4	1.3	4.3	14.8	75.6	1.6
Medicine Hat	0.3	0.3	0.5	3.0	15.8	78.1	1.6
Minburn-Vermilion	0.5	0.5	1.7	3.2	16.5	76.2	1.5
Mount View	0.2	0.2	0.9	2.9	14.5	80.2	1.6
North Eastern Alberta	0.0	0.5	1.0	3.8	13.0	78.0	1.6
Peace River	0.6	0.2	0.7	2.7	16.7	76.3	2.9
Red Deer	0.6	0.5	1.0	2.6	13.7	80.0	1.3
South Peace/Grande Prairie	0.4	0.8	1.5	2.6	15.1	79.3	0.9
Stony Plain-Lac Ste. Anne	0.3	0.4	0.5	3.3	15.1	79.0	1.0
Sturgeon	0.2	0.5	0.3	2.8	11.7	79.5	2.0
Vegreville	0.5	1.6	1.4	3.3	14.5	79.8	2.1
Wetoka	0.1	0.3	0.4	2.9			
Alberta	0.4	0.5	0.9	3.6	16.1	76.9	1.6

NUMBER OF LIVE BIRTHS TO SINGLE MOTHERS, 1984

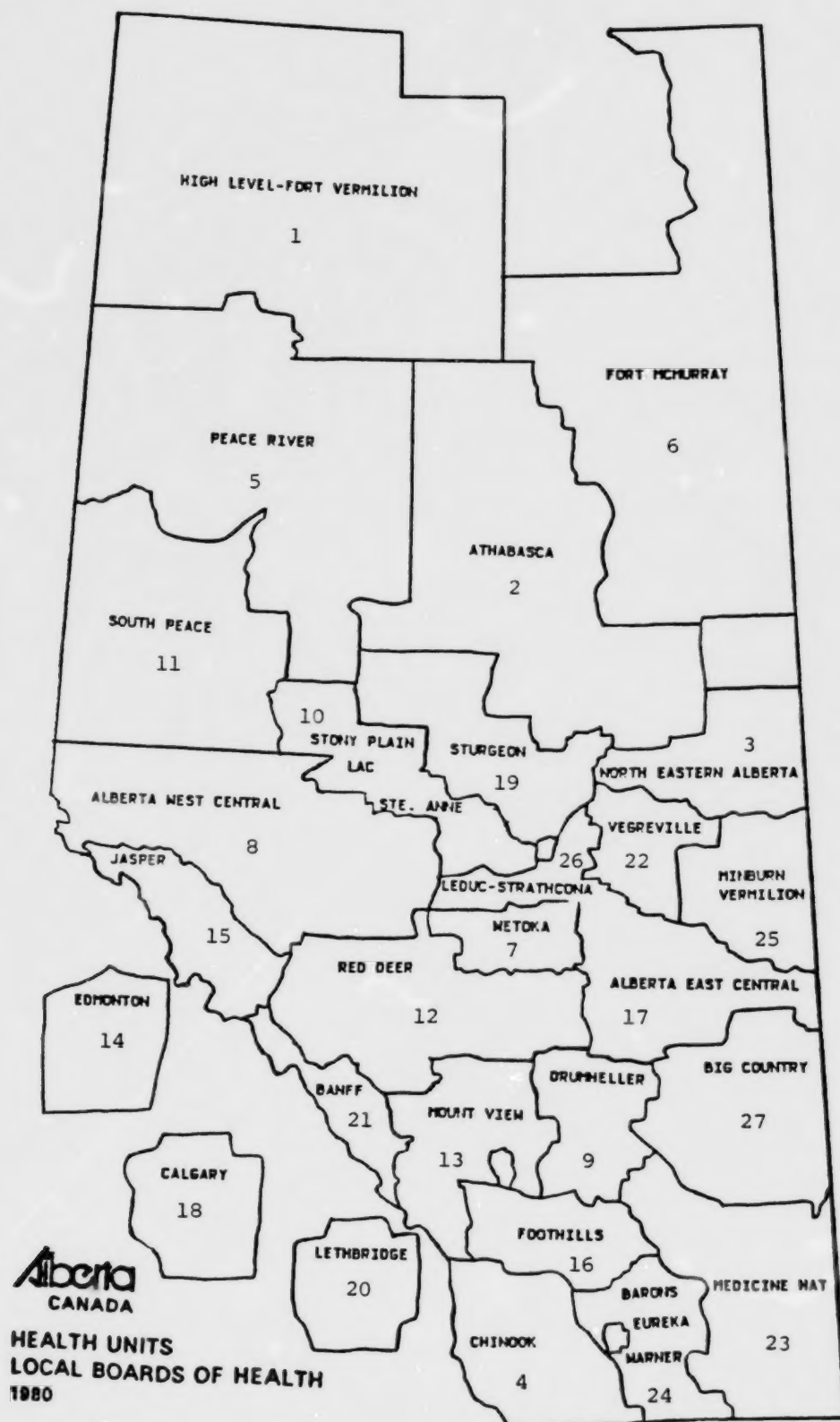
HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	0	45	26	12	2	2	0	0	87
Alberta West Central	0	47	60	16	4	0	0	0	127
Athabasca	2	98	106	25	8	4	0	0	243
Banff National Park	0	2	1	4	3	0	0	0	10
Barons-Eureka-Warner	0	27	17	5	1	0	0	0	50
Big Country	0	9	4	1	0	0	0	0	14
Calgary	7	374	505	241	82	15	3	0	1227
Chinook	0	70	79	33	18	3	0	0	203
Drumheller	0	32	34	15	3	2	0	0	86
Edmonton	12	463	659	268	78	16	2	0	1508
Foot Hills	0	21	28	7	0	1	1	0	58
Fort McMurray	3	62	95	32	9	3	0	0	204
High Level-Fort Vermilion	1	43	48	15	5	1	0	0	113
Jasper National Park	0	2	7	2	0	0	0	0	11
Leduc-Strathcona	1	48	37	12	7	1	0	0	106
Lethbridge	1	25	44	12	11	1	0	0	111
Medicine Hat	0	50	56	12	0	0	0	0	94
Minburn-Vermilion	0	24	14	5	1	0	0	0	44
Mount View	2	44	60	22	6	3	1	0	138
North Eastern Alberta	3	102	92	32	7	4	0	0	240
Peace River	2	79	88	28	6	2	0	0	205
Red Deer	1	99	137	43	11	4	1	0	296
South Peace/Grande Prairie	3	71	75	27	6	2	0	0	184
Stony Plain-Lac Ste. Anne	0	56	73	34	11	4	0	0	178
Sturgeon	2	56	51	24	3	1	0	0	137
Vegreville	0	17	14	1	1	0	0	0	33
Wetoka	3	52	49	20	6	3	0	0	133
Alberta	43	2018	2469	948	289	72	8	0	5847

AGE-SPECIFIC LIVE BIRTH RATES (PER 1,000 SINGLE MOTHERS), 1984

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Alberta East Central	0.0	19.3	13.1	5.4	1.0	1.1	0.0	0.0
Alberta West Central	0.0	27.5	32.1	7.9	2.3	0.0	0.0	0.0
Althabasca	1.4	71.8	96.2	21.0	7.4	4.3	0.0	0.0
Banff National Park	0.0	10.4	1.8	11.1	11.8	0.0	0.0	0.0
Barons-Eureka-Warner	0.0	15.8	11.9	3.0	0.7	0.0	0.0	0.0
Big Country	0.0	17.6	8.6	2.0	0.0	0.0	0.0	0.0
Calgary	0.3	15.6	13.4	6.4	2.7	0.6	0.2	0.0
Chinook	0.0	40.6	49.0	19.6	11.8	2.3	0.0	0.0
Drumheller	0.0	24.8	28.8	10.2	2.3	1.8	0.0	0.0
Edmonton	0.7	20.3	18.5	8.1	3.3	0.8	0.1	0.0
Foot Hills	0.0	17.0	23.5	4.8	0.0	7.6	1.2	0.0
Fort McMurray	2.0	45.7	45.1	13.4	4.8	2.2	0.0	0.0
High Level-fort Vermilion	1.4	78.5	83.8	30.4	13.0	2.8	0.0	0.0
Jasper National Park	0.0	12.7	24.6	8.7	0.0	0.0	0.0	0.0
Leduc-Strathcona	0.2	12.3	11.1	2.3	1.2	0.2	0.0	0.0
Lethbridge	0.5	10.6	15.2	4.3	4.8	0.5	0.0	0.0
Medicine Hat	0.0	16.1	15.4	3.2	0.0	0.0	0.0	0.0
Minburn-Vermilion	0.0	15.8	9.0	3.1	0.7	1.2	0.6	0.0
Mount View	0.8	19.4	23.7	6.5	2.0	3.3	0.0	0.0
North Eastern Alberta	1.4	50.0	52.7	17.7	4.0	3.3	0.0	0.0
Peace River	1.1	41.8	53.3	15.0	2.4	1.4	0.0	0.0
Red Deer	0.2	20.6	23.3	7.3	2.4	1.0	0.3	0.0
South Peace/Grande Prairie	1.3	28.7	24.7	8.2	2.5	1.0	0.0	0.0
Stony Plain-lac Ste. Anne	0.0	23.0	28.8	5.2	3.4	1.5	0.0	0.0
Sturgeon	0.5	15.5	15.7	9.7	0.6	0.2	0.0	0.0
Vegreville	0.0	16.0	17.0	0.9	1.1	0.0	0.0	0.0
Wetoka	1.9	32.8	32.8	11.6	4.0	2.2	0.0	0.0
Alberta	0.5	21.5	20.1	7.4	2.8	0.8	0.1	0.0

AGE-STANDARDIZED LIVE BIRTH RATES (PER 1,000 SINGLE MOTHERS), 1984

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	6.3	5.0	7.6	17	0.79	.
Alberta West Central	11.4	9.4	13.4	8	1.43	.
Athabasca	32.9	28.8	37.0	2	4.14	YES
Banff National Park	5.6	2.1	9.1	21	0.70	.
Barons-Eureka-Warner	5.0	3.6	6.4	24	0.63	.
Big Country	4.3	2.1	6.6	27	0.54	.
Calgary	6.3	6.0	6.7	27	0.79	.
Chinook	20.2	17.4	23.0	18	2.54	YES
Drumheller	11.1	8.8	13.5	9	1.40	.
Edmonton	8.3	7.9	8.7	14	1.04	.
Foothills	7.7	5.7	9.7	16	0.97	.
Fort McMurray	18.2	15.7	20.7	6	2.29	YES
High Level-Fort Vermilion	34.0	27.7	40.3	1	4.28	YES
Jasper National Park	7.8	3.2	12.4	15	0.98	.
Leduc-Strathcona	4.4	3.6	5.2	26	0.55	.
Lethbridge	5.9	4.7	7.1	20	0.74	.
Medicine Hat	5.6	4.6	6.6	23	0.57	.
Minburn-Vermilion	4.5	3.2	5.8	25	0.70	.
Mount View	8.8	7.3	10.3	13	1.11	.
North Eastern Alberta	20.8	18.2	23.4	3	2.62	YES
Peace River	19.1	16.5	21.7	5	1.12	YES
Red Deer	8.9	7.9	9.9	12	1.33	.
South Peace/Grande Prairie	10.6	9.1	12.1	11	1.37	.
Stony Plain-Lac Ste. Anne	10.9	9.3	12.5	10	0.77	.
Sturgeon	6.1	3.7	7.5	19	0.70	.
Vegreville	5.6	3.7	7.5	22	1.72	.
Wetoka	13.7	11.4	16.0	7		.
Alberta	8.0	7.8	8.2			



LIVE BIRTHS TO SINGLE MOTHERS, 1984

1.15

PERCENT OF LIVE BIRTHS TO SINGLE MOTHERS, 1984

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	(10-49) TOTAL
Alberta East Central	0.0	54.9	8.6	3.3	1.6	5.6	0.0	0.0	9.5
Alberta West Central	0.0	61.8	19.9	5.8	3.3	0.0	0.0	0.0	15.8
Athabasca	100.0	72.0	44.7	12.6	11.6	22.2	0.0	0.0	36.7
Banff National Park	0.0	100.0	8.3	18.2	12.5	0.0	0.0	0.0	16.4
Barons-Eureka-Warner	0.0	42.9	6.0	1.8	0.7	0.0	0.0	0.0	6.2
Big Country	0.0	42.9	5.0	1.0	0.0	0.0	0.0	0.0	5.8
Calgary	87.5	64.2	17.6	5.3	3.1	2.4	6.7	0.0	10.8
Chinook	0.0	70.7	26.6	10.8	11.6	10.0	0.0	0.0	22.8
Drumheller	0.0	64.0	16.3	6.6	3.0	10.0	0.0	0.0	14.1
Edmonton	100.0	65.4	21.9	6.7	3.6	3.1	4.0	0.0	14.3
Footfalls	0.0	58.3	16.3	3.1	0.0	4.0	50.0	0.0	10.0
Fort McMurray	75.0	68.9	32.9	10.1	5.9	8.6	0.0	0.0	22.9
High Level-Fort Vermilion	100.0	60.6	31.6	12.2	11.4	3.2	0.0	0.0	26.3
Jasper National Park	0.0	100.0	25.0	6.5	0.0	0.0	0.0	0.0	14.1
Leduc-Strathcona	100.0	60.0	9.9	1.8	2.1	1.1	0.0	0.0	6.9
Lethbridge	100.0	45.5	17.0	3.2	6.7	2.5	0.0	0.0	10.5
Medicine Hat	0.0	45.5	11.6	2.4	0.0	0.0	0.0	0.0	9.0
Minburn-Vermilion	0.0	70.6	10.1	3.2	1.5	0.0	0.0	0.0	10.7
Mount View	100.0	65.7	18.2	4.6	2.2	5.5	0.0	0.0	11.4
North Eastern Alberta	75.0	74.5	25.4	10.6	5.8	10.3	0.0	0.0	24.6
Peace River	66.7	63.7	27.2	9.3	5.8	7.4	0.0	0.0	23.1
Red Deer	100.0	55.6	18.4	5.2	3.3	5.7	11.1	0.0	13.7
South Peace/Grande Prairie	100.0	59.2	17.6	6.5	3.7	5.3	0.0	0.0	15.7
Stony Plain-Lac Ste. Anne	0.0	63.6	17.8	6.6	4.2	6.9	0.0	0.0	13.2
Sturgeon	100.0	58.3	11.5	3.9	0.9	1.2	0.0	0.0	8.6
Vegreville	0.0	68.0	10.8	0.6	1.3	0.0	0.0	0.0	7.7
Wetoka	100.0	56.5	19.2	7.6	6.3	16.7	0.0	0.0	18.2
Alberta	91.5	62.6	19.0	5.7	3.4	3.6	3.9	0.0	13.4

NUMBER OF TLENAGE (15-19) LIVE BIRIHS, 1984

HEALTH UNIT	NUMBER
Alberta East Central	82
Alberta West Central	76
Altabasca	136
Banff National Park	2
Barons-Eureka-Warner	63
Big Country	21
Calgary	583
Chinook	99
Drumheller	50
Edmonton	708
Foothills	36
Fort McMurray	90
High Level-Fort Vermilion	71
Jasper National Park	2
Leduc-Strathcona	80
Lethbridge	55
Medicine Hat	110
Minburn-Vermilion	34
Mount View	67
North Eastern Alberta	137
Peace River	124
Red Deer	178
South Peace/Grande Prairie	120
Stony Plain-Lac Ste. Anne	88
Sturgeon	96
Vegreville	25
Wetoka	92
Alberta	3225

TEENAGE (15-19) LIVE BIRTH RATES (PER 1,000 FEMALES), 1984

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	35.3	27.7	43.0	16	1.03	.
Alberta West Central	44.5	34.5	54.5	9	1.30	.
Athabasca	99.6	82.9	116.3	2	2.90	YES
Banff National Park	10.4	-4.0	24.8	27	0.30	.
Barons-Eureka-Harner	36.8	27.7	45.9	13	1.07	.
Big Country	41.0	23.5	58.5	10	1.20	.
Calgary	24.3	22.3	26.3	21	0.71	.
Chinook	57.4	46.1	68.7	7	1.67	YES
Drumheller	38.8	28.1	49.6	11	1.13	.
Edmonton	31.0	28.7	33.3	17	0.90	.
Footfalls	29.1	19.6	38.6	19	0.85	.
Fort McMurray	66.4	52.7	80.1	4	1.94	YES
High Level-Fort Vermilion	129.6	99.5	159.8	1	3.78	YES
Jasper National Park	12.7	-4.9	30.3	26	0.37	.
Leduc-Strathcona	20.5	16.0	25.0	25	0.60	.
Lethbridge	23.3	17.1	29.5	23	0.68	.
Medicine Hat	35.5	28.9	42.1	15	1.04	.
Minburn-Vermilion	22.3	14.8	30.0	24	0.65	.
Mount View	29.5	22.4	36.6	18	0.86	.
North Eastern Alberta	67.1	55.9	78.3	3	1.96	YES
Peace River	37.1	31.7	42.6	5	1.91	YES
Red Deer	65.6	54.1	77.2	12	1.08	.
South Peace/Grande Prairie	48.4	39.7	57.1	8	1.41	.
Stony Plain-Lac Ste. Anne	36.2	28.6	43.8	14	1.06	.
Sturgeon	26.5	21.2	31.8	20	0.77	.
Vegreville	23.6	14.4	32.9	22	0.69	.
Wetoka	58.0	46.2	69.9	6	1.69	YES
Alberta	34.3	33.1	35.5			



NUMBER OF LIVE BIRTHS TO SINGLE TEENAGE (15-19) MOTHERS, 1984

HEALTH UNIT	NUMBER
Alberta East Central	45
Alberta West Central	47
Alberta South Central	98
Barren National Park	2
Barren-Eureka-Warner	27
Big Country	9
Calgary	374
Chinook	70
Drumheller	32
Edmonton	463
Foothills	21
Fort McMurray	62
High Level-Fort Vermilion	43
Jasper National Park	2
Leduc-Strathcona	48
Lethbridge	25
Medicine Hat	50
Minburn-Vermilion	24
Mount View	44
North Eastern Alberta	102
Peace River	79
Red Deer	99
South Peace/Grande Prairie	71
Stony Plain-Lac Ste. Anne	56
Sturgeon	56
Vegreville	17
Wetoka	52
Alberta	2018

LIVE BIRTH RATES (PER 1,000 SINGLE TEENAGE MOTHERS), 1984

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	19.3	13.7	24.9	15	0.90	.
Alberta West Central	27.5	19.6	35.4	9	1.28	.
Athabasca	71.8	57.6	86.0	2	3.35	YES
Banff National Park	10.4	-4.0	24.8	27	0.50	.
Barons-Eureka-Warner	15.8	9.8	21.8	21	0.74	.
Big Country	17.6	6.1	29.1	16	0.82	.
Calgary	15.6	14.0	17.2	22	0.73	.
Chinook	40.6	31.1	50.1	6	1.89	YES
Drumheller	24.8	16.2	33.4	10	1.16	.
Edmonton	20.3	18.5	22.2	13	0.95	.
Foot Hills	17.0	9.7	24.3	17	0.79	.
Fort McMurray	45.7	34.3	57.1	4	2.13	YES
High Level-Fort Vermilion	78.5	55.0	102.0	1	3.66	YES
Jasper National Park	12.7	-4.9	30.3	24	0.59	.
Leduc-Strathcona	12.3	8.8	15.8	25	0.57	.
Lethbridge	10.6	6.5	14.8	26	0.49	.
Medicine Hat	16.1	11.6	20.6	18	0.75	.
Minburn-Vermilion	15.8	9.5	22.1	20	0.74	.
Mount View	19.4	13.7	25.1	14	0.90	.
North Eastern Alberta	50.0	40.3	59.7	3	2.33	YES
Peace River	41.8	32.6	51.0	5	1.95	YES
Red Deer	20.6	16.5	24.7	12	0.96	.
South Peace/Grande Prairie	28.7	22.0	35.4	8	1.34	.
Stony Plain-Lac Ste. Anne	23.0	17.0	29.0	11	1.07	.
Sturgeon	15.5	11.4	19.6	23	0.72	.
Vegreville	16.0	8.4	23.6	19	0.75	.
Wetoka	32.8	23.9	41.7	7	1.53	.
Alberta	21.5	20.6	22.4			



Alberta
CANADA

HEALTH UNITS
LOCAL BOARDS OF HEALTH
1980

Chapter 2

STILLBIRTHS, INFANT MORTALITY
AND PERINATAL DEATHS

1984



NUMBER OF STILLBIRTHS
AMONG MARRIED FEMALES, 1984

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	0	0	2	5	0	0	0	0	7
Alberta West Central	0	1	3	5	2	0	0	0	11
Athabasca	0	1	0	1	2	0	0	0	4
Banff National Park	0	0	0	1	0	0	0	0	1
Barons-Eureka-Warner	0	0	0	2	1	1	1	0	5
Big Country	0	0	0	0	0	0	0	0	0
Calgary	0	0	10	20	23	7	1	0	61
Chinook	0	0	3	1	23	1	0	0	6
Drumheller	0	0	3	1	0	0	2	0	6
Edmonton	0	1	13	21	13	4	0	0	54
Foothills	0	0	0	0	3	0	0	0	3
Fort McMurray	0	0	0	2	1	0	0	0	3
High Level-Fort Vermilion	0	0	1	1	2	0	1	0	5
Jasper National Park	0	0	0	0	1	0	0	0	2
Leduc-Strathcona	0	0	1	2	1	1	2	0	7
Lethbridge	0	0	4	0	1	0	0	0	5
Medicine Hat	0	0	2	5	1	0	0	0	7
Minburn-Vermilion	0	0	0	1	0	0	0	0	1
Mount View	0	0	1	1	2	0	0	0	4
North Eastern Alberta	0	1	2	2	5	0	0	0	10
Peace River	0	1	0	0	1	0	1	0	3
Red Deer	0	0	6	2	2	0	0	0	10
South Peace/Grande Prairie	0	0	6	5	1	0	0	0	13
Stony Plain-Lac Ste. Anne	0	0	1	1	0	0	0	0	2
Sturgeon	0	0	4	6	2	1	0	0	13
Vegreville	0	0	0	1	1	0	0	0	2
Wetoka	0	0	0	1	0	0	0	0	1
Alberta	0	5	56	87	64	15	8	0	235

NUMBER OF STILLBIRTHS
AMONG SINGLE FEMALES, 1984

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	0	0	1	0	0	0	0	0	1
Alberta West Central	0	0	0	0	0	0	0	0	1
Alberta	0	0	1	0	0	0	0	0	2
Althabasca	0	0	0	0	0	0	0	0	0
Banff National Park	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0
Big Country	0	0	0	0	0	0	0	0	0
Calgary	0	0	2	2	1	0	0	0	5
Chinook	0	1	1	0	0	0	0	0	2
Drumheller	0	0	0	0	0	0	0	0	0
Edmonton	1	3	6	2	1	1	0	0	14
Foothills	0	0	1	0	0	0	0	0	1
Fort McMurray	0	1	0	0	0	0	0	0	1
High Level-Fort Vermilion	0	2	0	1	2	0	0	0	5
Jasper National Park	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	2	0	0	0	0	0	0	2
Lethbridge	0	0	0	2	0	0	0	0	2
Medicine Hat	0	0	0	0	0	0	0	0	0
Minburn-Vermilion	0	0	0	0	0	0	0	0	0
Mount View	0	0	1	0	0	0	0	0	1
North Eastern Alberta	1	2	0	1	0	0	0	0	4
Peace River	0	1	0	1	0	0	0	0	2
Red Deer	0	3	1	2	0	0	0	0	6
South Peace/Grande Prairie	0	1	1	0	1	0	0	0	3
Stony Plain-Lac Ste. Anne	0	1	0	0	0	0	0	0	1
Sturgeon	0	0	1	0	0	0	0	0	1
Vegreville	0	0	1	0	0	0	0	0	1
Wetoka	0	1	0	0	0	0	0	0	1
Alberta	2	18	19	10	6	2	0	0	57

STILLBIRTH RATIOS (PER 1,000 BIRTHS), 1984

HEALTH UNIT	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
Alberta East Central	0	0	9.9	13.6	0	0	0	0	8.7
Alberta West Central	0	13.2	13.2	18.1	16.4	0	0	0	15.0
Alberta North Central	0	7.4	4.2	5.1	29.0	55.6	0	0	9.1
Banff National Park	0	0	0	45.5	0	0	0	0	16.4
Barons-Eureka-Warner	0	0	0	7.2	7.2	22.7	142.9	0	6.2
Big Country	0	0	0	0	0	0	0	0	0
Calgary	0	0	4.2	4.8	9.1	11.4	22.2	0	5.8
Chinook	0	10.1	13.5	3.3	6.5	0	0	0	9.0
Drumheller	0	5.6	14.4	4.4	6.5	0	0	0	6.5
Edmonton	83.3	0	6.2	5.7	6.4	9.8	40.0	0	6.5
Foothills	0	0	5.8	0	25.9	0	0	0	6.9
Fort McMurray	0	11.1	0	6.3	6.5	0	0	0	4.5
High Level-Fort Vermilion	0	28.2	6.6	16.3	90.9	0	125.0	0	23.3
Jasper National Park	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	25.0	2.7	3.0	3.0	11.5	250.0	0	5.8
Lethbridge	0	0	15.4	5.4	12.3	0	0	0	5.3
Medicine Hat	0	0	4.1	10.1	0	0	0	0	2.4
Minburn-Vermilion	0	0	0	6.3	0	0	0	0	4.1
Mount View	0	0	6.1	2.1	7.3	0	0	0	14.4
North Eastern Alberta	250.0	21.9	5.4	9.9	41.7	0	0	0	5.6
Peace River	0	16.1	3.1	0	9.6	0	200.0	0	7.4
Red Deer	0	16.9	9.4	4.8	6.0	0	0	0	7.7
South Peace/Grande Prairie	0	8.3	2.3	12.0	12.3	0	0	0	3.0
Stony Plain-Lac Ste. Anne	0	11.4	2.4	1.9	3.8	11.9	0	0	8.7
Sturgeon	0	0	11.3	9.6	5.8	0	0	0	7.0
Vegreville	0	0	7.7	6.1	12.9	0	0	0	7.0
Wetoka	0	10.9	0	3.8	0	0	0	0	2.7
Alberta	42.6	7.1	5.8	5.8	8.3	8.6	39.2	0	6.7

NUMBER OF INFANT DEATHS AND INFANT DEATH RATES
(PER 1,000 LIVE BIRTHS), 1984

HEALTH UNIT	NUMBER	RATE
Alberta East Central	7	7.63
Alberta West Central	7	8.73
Athabasca	6	9.06
Banff National Park	0	0.00
Barons-Eureka-Warner	7	8.62
Big Country	2	8.30
Calgary	96	8.48
Chinook	7	7.87
Drumheller	8	13.09
Edmonton	107	10.15
Foothills	5	8.62
Fort McMurray	7	7.85
High Level-Fort Vermilion	1	2.32
Jasper National Park	0	0.00
Leduc-Strathcona	19	12.30
Lethbridge	8	8.97
Medicine Hat	15	11.43
Minburn-Vermilion	7	17.03
Mount View	6	4.96
North Eastern Alberta	11	11.29
Peace River	8	9.02
Red Deer	27	12.47
South Peace/Grande Prairie	13	11.09
Stony Plain-Lac Ste. Anne	8	5.95
Sturgeon	11	6.87
Vegreville	3	6.99
Wetoka	9	12.31
Alberta	405	9.31

AGE SPECIFIC DISTRIBUTION OF INFANT DEATHS, 1984

HEALTH UNIT	INFANT DEATHS			PERCENTAGE DISTRIBUTION		
	Less than 7 days	7-27 days	28 days and over	Less than 7 days	7-27 days	28 days and over
Alberta East Central	6	1	0	85.7	14.3	0.0
Alberta West Central	5	1	1	71.4	14.3	14.3
Athabasca	5	0	1	83.3	0.0	16.7
Banff National Park	0	0	0	0.0	0.0	0.0
Barons-Eureka-Warner	5	1	1	71.4	14.3	14.3
Big Country	1	0	1	50.0	0.0	50.0
Calgary	1	0	1	14.3	14.6	19.8
Chinook	63	14	19	65.6	28.6	57.1
Drumheller	1	2	4	14.3	0.0	12.5
Edmonton	7	0	1	87.5	15.0	22.4
Foothills	67	16	24	62.6	40.0	20.0
Fort McMurray	2	2	1	57.1	14.3	28.6
High Level-Fort Vermilion	4	1	2	100.0	0.0	0.0
Jasper National Park	1	0	0	0.0	0.0	0.0
Leduc-Strathcona	0	0	0	0.0	0.0	0.0
Lethbridge	9	4	6	47.4	21.0	31.6
Medicine Hat	6	1	1	75.0	12.5	12.5
Minburn-Vermilion	10	0	5	66.7	0.0	33.3
Mount View	4	2	1	57.1	28.6	14.3
North Eastern Alberta	5	1	0	83.3	16.7	0.0
Peace River	6	0	5	54.6	0.0	45.4
Red Deer	4	1	3	50.0	12.5	37.5
South Peace/Grande Prairie	19	1	7	70.4	3.7	25.9
Stony Plain-Lac Ste. Anne	8	2	3	61.5	15.4	23.1
Sturgeon	2	0	6	25.0	0.0	75.0
Vegreville	3	3	5	27.3	27.3	45.4
Wetoka	3	0	0	100.0	0.0	0.0
Alberta	248	55	102	61.2	13.6	25.2

NUMBER OF PERINATAL DEATHS AND PERINATAL DEATH RATES
(PER 1,000 BIRTHS), 1984

HEALTH UNIT	NUMBER	RATE
Alberta East Central	14	15.14
Alberta West Central	17	20.88
Athabasca	11	16.47
Banff National Park	1	16.13
Barons-Eureka-Warner	10	12.24
Big Country	1	4.15
Calgary	129	11.33
Chinook	9	10.02
Drumheller	11	17.89
Edmonton	135	12.73
Foothills	6	10.27
Fort McMurray	8	8.93
High Level-Fort Vermilion	11	25.00
Jasper National Park	0	0.00
Leduc-Strathcona	18	11.58
Lethbridge	13	14.46
Medicine Hat	17	12.89
Mindurn-Vermilion	5	12.14
Mount View	10	8.23
North Eastern Alberta	20	20.24
Peace River	9	10.09
Red Deer	35	16.05
South Peace/Grande Prairie	17	14.39
Stony Plain-Lac Ste. Anne	6	4.45
Sturgeon	17	10.53
Vegreville	6	13.89
Wetoka	4	5.46
Alberta	540	12.33

Chapter 3

DEATHS - MALES

1984



NUMBER IN POPULATION, 1984
MALES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	534	1932	4485	4609	4304	3368	2714	2834	2240	1372	28392
Alberta West Central	442	1780	3620	3960	4207	2773	1904	1173	607	370	20836
Alberta North Central	304	1268	3190	2474	2321	1840	1415	1074	728	490	15104
Banff National Park	29	76	169	639	763	301	206	153	79	38	2453
Barons-Eureka-Warner	453	1698	3792	3644	3234	2534	1906	1654	1087	692	20694
Big Country	138	479	1007	1101	1088	729	655	817	396	256	6666
Calgary	5700	19487	42014	63122	76026	43375	29013	19958	10052	5739	314486
Chinook	499	1736	3812	3611	3348	2507	1846	1754	1410	926	21449
Drumheller	333	1203	2925	2980	2996	2162	1521	1544	1067	664	17395
Edmonton	5298	16852	35118	58687	63394	34708	26852	20567	11104	6300	27880
Foot Hills	316	1187	2884	2515	2993	2412	1581	1373	994	583	16838
Fort McMurray	465	1622	3448	3448	4909	2731	1088	450	138	54	18353
High Level-Fort Vermilion	207	773	1545	1128	1006	718	453	248	163	71	6312
Jasper National Park	29	87	198	429	533	206	217	115	48	33	1895
Leduc-Strathcona	1050	4262	10614	8335	10488	9241	4612	2762	1399	779	53562
Lethbridge	517	1824	3872	4811	5162	3218	2618	2438	1819	1242	27521
Medicine Hat	821	2841	6112	6969	7243	4523	3414	3290	2218	1154	38585
Minburn-Vermilion	402	1393	2983	3226	3266	2226	1735	1721	1214	795	19261
Mount View	695	2575	5500	5214	6638	4666	3078	2159	1338	746	32609
North Eastern Alberta	511	1954	4387	4053	3607	3038	2052	1710	1156	806	23274
Peace River	476	1655	3934	3903	3491	2600	2074	1476	962	697	21268
Red Deer	1171	4115	8771	10921	11317	7107	5014	4133	2690	1530	56769
South Peace/Grande Prairie	735	2575	5168	5976	6265	3932	2491	1904	1100	735	30881
Stony Plain-Lac Ste. Anne	798	2841	6206	5200	6966	5092	2803	2109	1172	550	33737
Sturgeon	1050	3957	9097	7583	9216	7649	4492	2990	1749	1160	48943
Vegreville	281	991	2340	2224	2218	1911	1557	1694	1442	969	15627
Wetoka	448	1535	3411	3321	3202	2430	1884	1798	1326	849	20204
Alberta	23702	82698	180602	224403	250201	157997	109195	83898	49698	29600	1191994

AGE DISTRIBUTIONS (IN %), 1984

MALES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	2	7	16	16	15	11	10	10	8	5
Alberta West Central	2	9	17	19	20	13	9	6	3	2
Athabasca	2	8	21	16	15	12	9	7	5	3
Banff National Park	1	3	7	27	31	12	8	6	5	2
Barons-Eureka-Warner	2	8	18	19	16	12	8	8	5	3
Big Country	2	6	15	17	16	11	10	12	6	3
Calgary	2	7	13	21	24	14	9	9	3	4
Chinook	2	8	18	17	16	11	9	6	3	2
Drumheller	2	7	17	17	17	12	9	8	7	4
Edmonton	2	6	13	21	17	12	9	7	6	4
Foothills	2	7	17	16	18	14	10	8	4	2
Fort McMurray	3	9	19	19	27	14	9	7	6	3
High Level-fort Vermilion	3	12	24	19	19	11	7	4	3	1
Jasper National Park	2	5	10	16	28	10	11	6	3	0
Leduc-Strathcona	2	8	19	23	20	17	9	5	3	1
Lethbridge	2	7	14	17	19	11	9	9	7	5
Medicine Hat	2	7	16	18	19	11	9	9	6	3
Minburn-Vermilion	2	7	15	19	17	12	9	9	4	4
Mount View	2	8	17	17	20	14	9	7	5	2
North Eastern Alberta	2	8	20	18	15	13	9	7	5	3
Peace River	2	8	19	18	16	12	10	7	5	3
Red Deer	2	7	15	19	20	13	8	7	5	3
South Peace/Grande Prairie	2	8	17	17	20	13	8	6	4	2
Stony Plain-Lac Ste. Anne	2	8	19	16	21	15	8	6	3	2
Sturgeon	2	8	19	16	19	12	9	6	4	2
Vegreville	2	6	15	15	14	11	9	6	9	6
Wetoka	2	8	17	16	16	12	10	9	7	4
Alberta	2	7	15	20	21	13	9	7	4	2

NUMBER OF DEATHS, 1984
MALES
ALL CAUSES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	1	0	0	9	6	7	16	26	66	159	290
Alberta West Central	6	0	0	6	3	3	8	14	22	38	100
Athabasca	3	0	5	11	11	5	10	18	23	33	119
Banff National Park	0	0	0	2	1	0	1	2	1	8	15
Barons-Eureka-Warner	6	1	1	6	2	4	4	18	22	63	127
Big Country	1	1	0	1	0	0	3	9	13	23	51
Calgary	49	10	5	56	60	68	127	260	367	591	1593
Chinook	6	1	0	3	8	3	14	22	36	87	180
Drumheller	6	0	1	7	1	4	5	18	25	60	127
Edmonton	59	7	7	56	72	87	137	319	402	593	1739
Foot Hills	2	0	0	1	5	4	6	22	26	48	114
Fort McMurray	3	0	2	4	3	5	9	8	8	4	46
High Level-Fort Vermilion	0	1	2	6	5	2	2	4	1	5	29
Jasper National Park	0	0	0	0	1	0	0	1	3	4	10
Leduc-Strathcona	11	2	0	11	8	10	23	24	55	78	222
Lethbridge	8	2	1	4	6	5	14	39	55	127	259
Medicine Hat	5	2	2	9	12	6	19	34	81	109	279
Minburn-Vermilion	3	2	0	12	5	2	6	23	29	71	153
Mount View	3	0	2	11	7	7	8	20	53	65	178
North Eastern Alberta	3	1	2	8	8	6	11	27	45	73	182
Peace River	3	1	2	7	7	6	8	18	28	67	159
Red Deer	13	1	2	24	11	15	32	62	91	145	406
South Peace/Grande Prairie	8	1	4	7	16	7	17	24	25	60	164
Stony Plain-Lac Ste. Anne	3	0	1	5	9	9	12	37	35	59	174
Sturgeon	5	1	1	9	12	13	26	36	48	90	239
Vegreville	1	0	3	6	1	3	7	27	46	92	184
Wetoka	4	0	2	7	9	8	12	20	37	83	182
Alberta	214	32	50	288	293	289	545	1132	1643	2835	7321

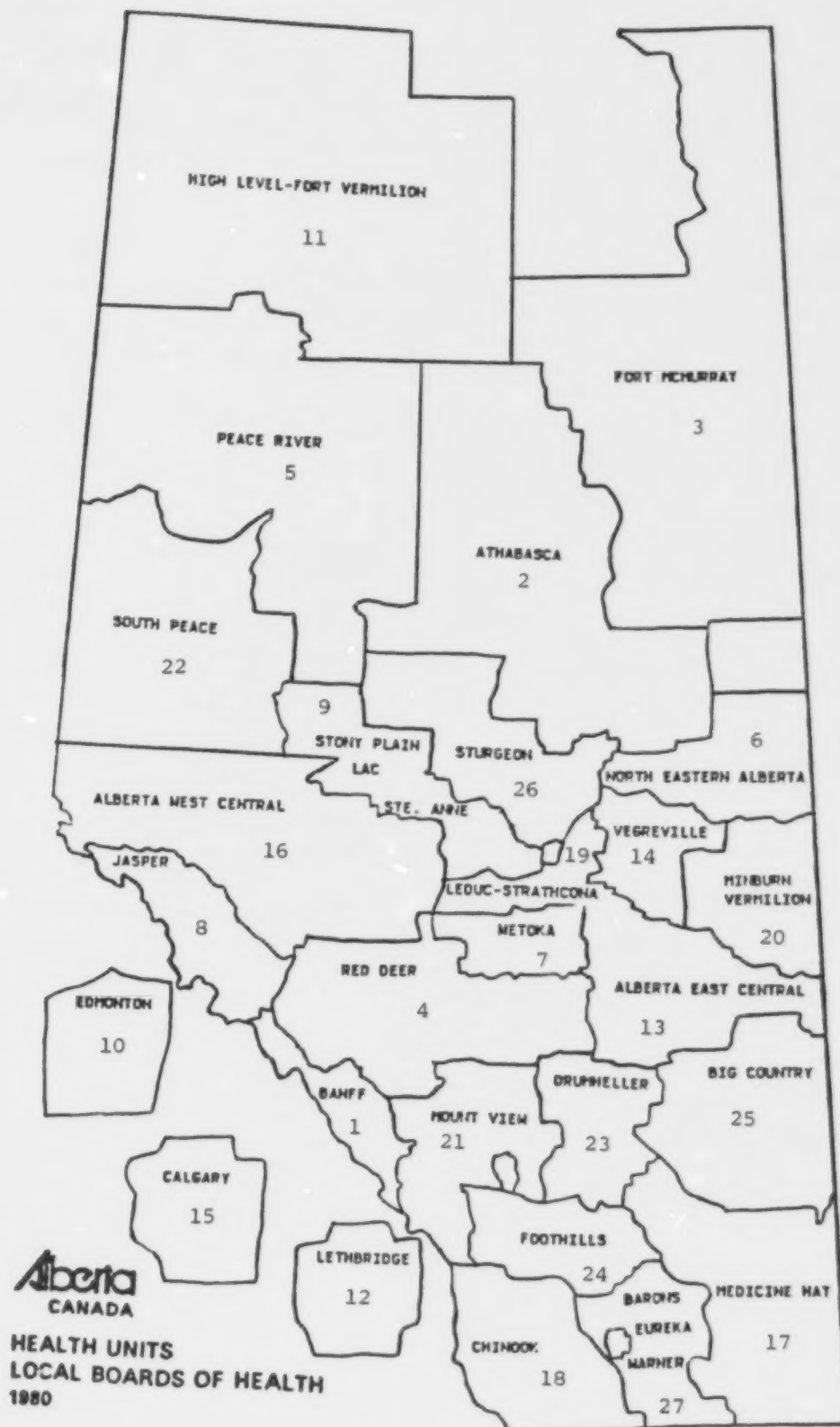
AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
ALL CAUSES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	187	0	0	195	139	208	590	917	2946	11589
Alberta West Central	1357	0	0	152	71	108	420	1194	3624	10270
Athabasca	987	0	157	445	474	272	707	1676	3159	6735
Banff National Park	0	0	0	313	131	0	485	1307	1266	21053
Barons-Eureka-Warner	1325	59	26	165	62	158	210	1088	2024	9104
Big Country	725	209	0	91	0	0	458	1102	3283	8984
Calgary	860	51	0	89	79	157	758	1303	3651	10298
Chinook	1202	58	12	83	239	120	329	1254	2553	9395
Drumheller	1802	0	34	235	33	185	510	1166	2343	9036
Edmonton	1114	42	20	95	114	251	380	1551	3620	9413
Foot Hills	633	0	0	40	167	166	827	1602	2616	8233
Fort McMurray	645	0	58	116	61	183	442	1778	5797	7407
High Level-Fort Vermilion	0	129	129	532	497	279	827	1613	1840	5634
Jasper National Park	0	0	0	0	188	0	922	870	2083	15152
Leduc-Strathcona	1048	0	0	132	76	108	499	869	3331	10013
Lethbridge	1547	47	26	83	116	155	535	1600	3024	10225
Medicine Hat	609	70	33	129	166	133	557	1033	3652	9445
Minburn-Vermilion	746	144	0	340	153	90	346	1336	2389	8931
Mount View	432	0	36	211	105	129	357	926	3361	8713
North Eastern Alberta	587	51	46	197	222	230	390	1579	3893	9057
Peace River	1050	60	51	179	315	231	675	1220	2911	9613
Red Deer	1110	24	80	220	141	211	638	1500	3383	9477
South Peace/Grande Prairie	1088	39	77	117	176	178	682	1261	2273	8163
Stony Plain-Lac Ste. Anne	376	0	16	173	129	177	428	1754	2986	10727
Sturgeon	476	25	33	66	130	157	579	1204	2744	7759
Vegreville	356	0	43	270	45	170	450	1594	3190	9494
Wetoka	893	0	59	211	281	329	637	1112	2790	9776
Alberta	903	39	28	128	117	183	499	1349	3306	9578

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1984

ALL CAUSES

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	626	550	703	13	1.02	.
Alberta West Central	613	492	735	16	1.00	.
Albion	744	608	880	2	1.21	YES
Banff National Park	798	380	1217	1	1.30	.
Barons-Eureka-Warner	506	417	594	27	0.82	.
Big Country	525	379	672	25	0.86	.
Calgary	616	586	647	15	1.00	.
Chinook	607	515	700	18	0.99	.
Drumheller	551	453	649	23	0.90	.
Edmonton	644	613	674	10	0.90	.
Foothills	538	438	638	24	1.05	YES
Fort McMurray	707	439	975	3	0.88	.
High Level-Fort Vermilion	641	395	886	11	1.15	.
Jasper National Park	648	234	1063	8	1.04	.
Leduc-Strathcona	599	518	679	19	0.98	.
Lethbridge	637	557	717	12	1.04	.
Medicine Hat	609	537	681	17	0.99	.
Minburn-Vermilion	580	485	675	20	0.94	.
Mount View	572	488	657	21	0.93	.
North Eastern Alberta	670	571	769	6	1.09	.
Peace River	671	565	777	5	1.09	YES
Red Deer	675	610	741	4	1.10	.
South Peace/Grande Prairie	567	480	654	22	0.92	.
Sturgeon	647	549	744	9	1.05	.
Stony Plain-Lac Ste. Anne	523	457	590	26	0.85	.
Vegreville	617	520	714	14	1.00	.
Wetoka	665	564	765	7	1.08	.
Alberta	614	600	628			



ALL CAUSES, MALES, 1984

3.6

NUMBER OF DEATHS, 1984
MALES
ALL CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	4	6	6	25	33	74
Alberta West Central	0	0	0	0	0	0	2	3	6	7	18
Athabasca	0	0	2	1	1	1	1	4	6	6	22
Banff National Park	0	0	0	0	0	0	0	1	0	3	4
Barons-Eureka-Warner	0	0	0	0	0	0	3	5	7	14	29
Big Country	0	1	0	4	0	0	0	4	3	2	10
Calgary	0	1	3	4	3	16	40	100	107	117	391
Chinook	0	0	0	0	0	0	2	6	8	16	32
Drumheller	0	0	0	0	0	0	1	4	4	9	18
Edmonton	0	0	2	3	3	12	27	105	121	122	395
Foothills	0	0	0	0	0	2	1	10	5	12	30
Fort McMurray	0	0	1	0	0	0	2	4	5	2	14
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	1	0	1
Jasper National Park	0	0	0	0	0	0	1	1	0	1	3
Leduc-Strathcona	0	0	0	0	0	0	2	11	15	16	48
Lethbridge	0	0	0	0	0	1	4	11	17	29	64
Medicine Hat	0	0	0	0	1	2	4	12	20	17	56
Minburn-Vermilion	0	0	0	0	0	0	1	6	7	8	22
Mount View	0	0	0	0	0	0	4	8	21	7	40
North Eastern Alberta	0	0	0	0	0	0	2	11	13	14	40
Peace River	0	0	0	1	0	1	2	7	5	9	25
Red Deer	0	0	0	2	1	3	10	12	22	24	74
South Peace/Grande Prairie	0	0	0	0	0	1	4	8	11	6	29
Stony Plain-Lac Ste. Anne	0	0	0	0	0	2	1	7	16	15	42
Sturgeon	0	1	0	0	0	2	3	13	14	17	50
Vegreville	0	0	0	0	0	1	1	7	14	22	45
Wetoka	0	0	0	0	0	0	1	4	17	19	41
Alberta	0	3	8	11	11	49	128	370	490	547	1617

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
ALL CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	119	221	212	1116	2405
Alberta West Central	0	0	0	0	0	0	105	256	988	1892
Athabasca	0	0	63	40	43	54	71	372	824	1224
Banff National Park	0	0	0	0	0	0	0	654	0	7895
Barons-Eureka-Warner	0	0	0	0	0	0	0	302	644	2023
Big Country	0	209	0	0	0	0	157	490	758	781
Calgary	0	5	7	6	4	37	138	501	1064	2039
Chinook	0	0	0	0	0	0	108	342	567	1728
Drumheller	0	0	0	0	0	0	66	259	375	1355
Edmonton	0	0	6	5	5	35	101	511	1090	1937
Foot Hills	0	0	0	0	0	83	63	728	503	2058
Fort McMurray	0	0	29	0	0	0	184	889	3623	3704
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	613	0
Jasper National Park	0	0	0	0	0	0	461	870	0	3030
Leduc-Strathcona	0	0	0	0	0	22	87	398	1072	2054
Lethbridge	0	0	0	0	19	31	153	492	935	2335
Medicine Hat	0	0	0	0	28	22	146	334	902	1473
Minburn-Vermilion	0	0	0	0	0	0	58	349	577	1006
Mount View	0	0	0	0	0	0	130	371	1570	938
North Eastern Alberta	0	0	0	0	0	0	97	643	1125	1737
Peace River	0	0	0	0	0	0	38	474	520	1291
Red Deer	0	0	0	18	9	42	199	96	818	1569
South Peace/Grande Prairie	0	0	0	0	0	25	161	368	1000	816
Stony Plain-Lac Ste. Anne	0	0	0	0	0	39	36	379	1365	2727
Sturgeon	0	25	0	0	0	26	67	435	800	1466
Vegreville	0	0	0	0	0	52	64	413	971	2270
Wetoka	0	0	0	0	0	0	53	222	1282	2238
Alberta	0	4	4	5	4	31	117	441	986	1848

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1984
ALL CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	157	120	194	5	1.15	.
Alberta West Central	116	62	170	18	0.85	.
Albapasca	131	75	186	13	0.96	.
Banff National Park	242	3	482	2	1.78	.
Barons-Eureka-Warner	113	72	154	19	0.83	.
Big Country	100	37	163	24	0.74	.
Calgary	151	136	166	7	1.11	YES
Chinook	101	65	136	23	0.74	.
Drumheller	74	39	108	26	0.54	.
Edmonton	146	132	160	8	1.07	.
Foot Hills	140	90	191	10	1.03	.
Fort McMurray	327	131	522	1	2.40	YES
High Level-Fort Vermilion	26	-25	76	27	0.19	.
Jasper National Park	179	-29	386	3	1.32	.
Leduc-Strathcona	135	96	173	12	0.99	.
Lethbridge	154	115	192	6	1.13	.
Medicine Hat	120	88	152	17	0.88	.
Minburn-Vermilion	79	46	112	25	0.58	.
Mount View	127	87	166	15	0.93	.
North Eastern Alberta	144	99	189	9	1.06	.
Peace River	106	64	148	21	0.78	.
Red Deer	123	95	151	16	0.90	.
South Peace/Grande Prairie	106	67	145	22	0.78	.
Stony Plain-Lac Ste. Anne	160	111	209	4	1.18	.
Sturgeon	112	81	143	20	0.82	.
Vegreville	139	96	181	11	1.02	.
Wetoka	130	90	170	14	0.96	.
Alberta	136	129	142			

ALL CANCER, MALES, 1984



NUMBER OF DEATHS, 1984
MALES
COLON CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	1	0	2	5	8
Alberta West Central	0	0	0	0	0	0	0	0	1	0	1
Athabasca	0	0	0	0	0	0	0	1	0	0	1
Banff National Park	0	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	1	0	1	1	3
Big Country	0	0	0	0	0	0	0	0	0	0	0
Calgary	0	0	0	0	0	0	3	0	13	13	41
Chinook	0	0	0	0	0	0	1	12	1	3	5
Drumheller	0	0	0	0	0	0	0	0	1	1	2
Edmonton	0	0	0	0	1	0	2	7	0	15	43
Foothills	0	0	0	0	0	0	0	0	18	2	2
Fort McMurray	0	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	1	0	0	1
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	1	3	1	2	7
Lethbridge	0	0	0	0	0	0	1	1	2	2	6
Medicine Hat	0	0	0	0	0	0	0	1	0	1	2
Minburn-Vermilion	0	0	0	0	0	0	0	1	0	2	3
Mount View	0	0	0	0	0	0	0	1	2	1	4
North Eastern Alberta	0	0	0	0	0	0	0	1	1	2	4
Peace River	0	0	0	0	0	0	1	1	0	2	4
Red Deer	0	0	0	0	0	0	0	1	1	1	4
South Peace/Grande Prairie	0	0	0	0	0	0	0	2	1	1	4
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	0	1	0	1
Sturgeon	0	0	0	0	0	0	0	1	1	2	4
Vegreville	0	0	0	0	0	0	1	0	1	0	2
Wetoka	0	0	0	0	0	0	0	0	3	1	4
Alberta	0	0	0	0	2	0	14	35	51	60	162

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
COLON CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	37	0	89	364
Alberta West Central	0	0	0	0	0	0	0	0	165	0
Athabasca	0	0	0	0	0	0	0	93	0	0
Banff National Park	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	52	0	92	145
Big Country	0	0	0	0	0	0	0	0	0	0
Calgary	0	0	0	0	0	0	10	60	129	227
Chinook	0	0	0	0	0	0	54	0	71	324
Drumheller	0	0	0	0	0	0	7	65	0	151
Edmonton	0	0	0	0	2	0	0	34	162	238
Foothills	0	0	0	0	0	0	0	0	101	0
Fort McMurray	0	0	0	0	0	0	0	222	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	461	109	71	257
Leduc-Strathcona	0	0	0	0	0	0	39	41	110	161
Lethbridge	0	0	0	0	0	0	0	30	0	87
Medicine Hat	0	0	0	0	0	0	0	58	0	252
Minburn-Vermilion	0	0	0	0	0	0	0	46	149	134
Mount View	0	0	0	0	0	0	49	58	87	248
North Eastern Alberta	0	0	0	0	0	0	48	68	0	287
Peace River	0	0	0	0	0	0	0	24	37	261
Red Deer	0	0	0	0	9	0	0	105	91	136
South Peace/Grande Prairie	0	0	0	0	0	0	0	0	85	0
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	33	57	0
Sturgeon	0	0	0	0	0	0	0	0	69	206
Vegreville	0	0	0	0	0	0	64	0	0	0
Wetoka	0	0	0	0	0	0	0	0	226	118
Alberta	0	0	0	0	1	0	13	42	103	203

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1984
COLON CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	16	5	28	4	1.14	.
Alberta West Central	7	-7	20	20	0.50	.
Albapasca	0	-6	19	21	0.50	.
Banff National Park	0	-2	0	25	0.00	.
Barons-Lureka-Warner	12	0	26	15	0.86	.
Big Country	0	0	0	26	0.00	.
Calgary	16	11	21	5	1.14	.
Chinook	16	1	30	6	1.14	.
Drumheller	8	-3	20	19	0.57	.
Edmonton	16	11	21	7	1.14	.
Foothills	13	-2	27	13	0.93	.
Fort McMurray	16	-15	46	8	1.14	.
High Level-Fort Vermilion	0	-41	0	27	0.00	.
Jasper National Park	42	5	125	1	3.00	.
Leduc-Strathcona	19	3	33	2	1.36	.
Lethbridge	15	-2	27	10	1.07	.
Medicine Hat	4	-1	10	23	0.29	.
Minburn-Vermilion	10	0	22	18	0.71	.
Mount View	13	2	25	14	0.93	.
North Eastern Alberta	18	0	35	3	1.29	.
Peace River	16	0	32	9	1.14	.
Red Deer	12	3	20	16	0.86	.
South Peace/Grande Prairie	15	0	29	11	1.07	.
Stony Plain-Lac Ste. Anne	4	-3	11	24	0.29	.
Sturgeon	5	-2	11	22	0.36	.
Vegreville	14	-1	29	12	1.00	.
Wetoka	12	0	24	17	0.86	.
Alberta	14	11	16			.



COLON CANCER, MALES, 1984

NUMBER OF DEATHS, 1984
MALES
LUNG CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	1	2	3	10	9	25
Alberta West Central	0	0	0	0	0	0	1	2	2	2	7
Athabasca	0	0	0	0	0	0	0	0	1	0	1
Banff National Park	0	0	0	0	0	0	0	1	0	1	2
Barons-Eureka-Warner	0	0	0	0	0	0	0	2	3	5	10
Big Country	0	0	0	0	0	0	0	2	0	2	4
Calgary	0	0	0	0	0	3	14	40	38	30	125
Chinook	0	0	0	0	0	0	0	2	3	2	7
Drumheller	0	0	0	0	0	0	0	0	1	1	2
Edmonton	0	0	0	0	0	2	5	35	36	33	111
Foothills	0	0	0	0	0	0	0	6	1	2	9
Fort McMurray	0	0	0	0	0	0	0	2	3	0	5
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	1	0	1
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	1	1	1	4	5	13
Lethbridge	0	0	0	0	0	0	2	3	9	3	14
Medicine Hat	0	0	0	0	0	0	1	5	4	5	18
Minburn-Vermilion	0	0	0	0	0	0	0	2	1	0	3
Mount View	0	0	0	0	0	0	1	2	8	3	14
North Eastern Alberta	0	0	0	0	0	0	0	4	5	6	16
Peace River	0	0	0	0	0	0	1	5	3	1	9
Red Deer	0	0	0	0	0	0	0	2	10	4	19
South Peace/Grande Prairie	0	0	0	0	0	0	3	4	3	4	11
Sturgeon	0	0	0	0	0	0	0	4	7	5	16
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	6	6	2	14
Vegreville	0	0	0	0	0	0	0	3	5	7	15
Wetoka	0	0	0	0	0	0	0	2	5	4	11
Alberta	0	0	0	0	0	7	32	138	170	141	488

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
LUNG CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	30	74	106	446	656
Alberta West Central	0	0	0	0	0	0	53	171	329	541
Alberta North Central	0	0	0	0	0	0	0	0	137	0
Alberta South Central	0	0	0	0	0	0	0	654	0	2632
Barons-Lureka-Warner	0	0	0	0	0	0	0	121	276	723
Big Country	0	0	0	0	0	0	0	245	0	781
Calgary	0	0	0	0	0	7	48	200	378	523
Chinook	0	0	0	0	0	0	0	114	213	216
Drumheller	0	0	0	0	0	0	66	0	94	904
Edmonton	0	0	0	0	0	6	19	170	324	524
Foothills	0	0	0	0	0	0	0	437	101	343
Fort McMurray	0	0	0	0	0	0	0	444	2174	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	613	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	11	22	36	357	642
Lethbridge	0	0	0	0	0	0	76	123	220	403
Medicine Hat	0	0	0	0	0	0	29	152	406	260
Minburn-Vermilion	0	0	0	0	0	0	0	116	82	0
Mount View	0	0	0	0	0	0	32	93	598	402
North Eastern Alberta	0	0	0	0	0	0	0	292	433	744
Peace River	0	0	0	0	0	0	48	271	312	143
Red Deer	0	0	0	0	0	0	60	48	372	261
South Peace/Grande Prairie	0	0	0	0	0	0	0	210	273	544
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	190	597	909
Sturgeon	0	0	0	0	0	0	0	201	343	172
Vegreville	0	0	0	0	0	0	0	177	347	722
Wetoka	0	0	0	0	0	0	0	111	377	471
Alberta	0	0	0	0	0	4	29	164	342	476

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1984
LUNG CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	53	31	75	5	1.29	.
Alberta West Central	44	11	77	8	1.07	.
Albansca	6	-5	17	26	0.19	.
Banff National Park	111	-45	268	2	2.71	.
Barons-Furka-Warner	39	14	62	14	0.93	.
Big Country	37	1	73	19	0.90	.
Calgary	48	40	57	6	1.17	.
Chinook	22	6	39	24	0.54	.
Drumheller	32	10	55	21	0.78	.
Edmonton	41	33	49	11	1.00	.
Foothills	43	15	72	10	1.05	.
Fort McMurray	122	11	233	1	2.98	.
High Level-Fort Vermilion	26	-25	76	23	0.62	.
Jasper National Park	0	0	0	27	0.00	.
Leduc-Strathcona	37	16	57	16	0.90	.
Lethbridge	35	16	53	18	0.85	.
Medicine Hat	37	20	54	17	0.90	.
Minburn-Vermilion	12	-2	25	25	0.29	.
Mount View	44	21	68	9	1.07	.
North Eastern Alberta	57	29	85	4	1.39	.
Peace River	40	14	66	12	0.98	.
Red Deer	31	17	45	22	0.76	.
South Peace/Grande Prairie	40	16	63	13	0.98	.
Stony Plain-Lac Ste. Anne	61	31	91	3	1.49	.
Sturgeon	33	16	50	20	0.80	.
Vegreville	45	22	68	7	1.10	.
Wetoka	35	14	56	19	0.85	.
Alberta	41	37	45			.



NUMBER OF DEATHS, 1984
MALES
DIABETES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	0	0	1	6	7
Alberta West Central	0	0	0	0	0	0	0	0	0	1	1
Alberta Athabasca	0	0	0	0	0	0	0	0	0	1	1
Banff National Park	0	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Harner	0	0	0	0	0	0	0	2	0	1	3
Big Country	0	0	0	0	0	0	0	1	0	0	1
Calgary	0	0	0	0	2	2	0	1	3	6	11
Chinook	0	0	0	0	1	0	0	1	1	1	4
Drumheller	0	0	0	0	0	0	0	0	0	0	0
Edmonton	0	0	0	0	0	0	0	0	0	1	1
Foothills	0	0	0	0	0	0	0	0	0	10	10
Fort McMurray	0	0	0	0	1	0	0	1	1	3	5
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	0	0	0	0	0	0	0
Medicine Hat	0	0	0	0	0	0	0	1	1	3	4
Minburn-Vermilion	0	0	0	0	0	0	0	0	0	0	0
Mount View	0	0	0	0	0	0	0	0	0	0	0
North Eastern Alberta	0	0	0	0	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0	0	0	1	1
Red Deer	0	0	0	0	0	0	0	0	0	4	4
South Peace/Grande Prairie	0	0	0	0	0	0	0	2	0	0	2
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	0	0	0	0
Sturgeon	0	0	0	0	0	0	0	0	0	1	1
Vegreville	0	0	0	0	0	0	1	0	0	0	1
Wetoka	0	0	0	0	0	0	1	0	0	2	3
Alberta	0	0	0	2	5	2	4	16	23	57	109

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
DIABETES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	0	0	45	437
Alberta West Central	0	0	0	0	0	0	0	0	0	270
Athabasca	0	0	0	0	0	0	0	0	0	204
Banff National Park	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	121	0	145
Big Country	0	0	0	0	0	0	0	122	0	0
Calgary	0	0	0	3	3	5	3	15	60	139
Chinook	0	0	0	0	30	0	0	57	71	156
Drumheller	0	0	0	0	2	0	0	19	94	151
Edmonton	0	0	0	0	0	0	4	73	101	159
Foothills	0	0	0	0	20	0	0	0	0	515
Fort McMurray	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	0	0	0	41	0	161
Medicine Hat	0	0	0	0	0	0	0	0	55	0
Minburn-Vermilion	0	0	0	0	0	0	0	0	135	377
Mount View	0	0	0	0	0	0	0	0	0	268
North Eastern Alberta	0	0	0	0	0	0	0	0	87	496
Peace River	0	0	0	0	0	0	0	0	416	0
Red Deer	0	0	0	0	0	0	0	48	37	261
South Peace/Grande Prairie	0	0	0	0	0	0	0	0	0	182
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	0	0	0
Sturgeon	0	0	0	0	0	0	22	0	0	206
Vegreville	0	0	0	0	0	0	64	0	0	118
Wetoka	0	0	0	0	0	0	0	56	0	0
Alberta	0	0	0	1	2	1	4	19	46	193

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1984
DIABETES

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	13	3	22	5	1.44	.
Alberta West Central	7	-6	20	14	0.78	.
Athabasca	5	-5	15	19	0.56	.
Banff National Park	0	0	0	23	0.00	.
Barons-Eureka-Warner	12	-2	26	6	1.33	.
Big Country	9	-8	26	9	1.00	.
Calgary	9	5	13	10	1.00	.
Chinook	32	11	53	1	3.56	YES
Drumheller	8	-3	18	13	0.89	.
Edmonton	7	-4	10	15	0.78	.
Foothills	22	3	42	2	2.44	.
Fort McMurray	4	-4	13	21	0.44	.
High Level-Fort Vermilion	0	0	0	24	0.00	.
Jasper National Park	0	0	0	25	0.00	.
Leduc-Strathcona	0	0	0	26	0.00	.
Lethbridge	9	0	18	11	1.00	.
Medicine Hat	6	-1	12	18	0.67	.
Minburn-Vermilion	9	-1	20	12	1.00	.
Mount View	7	-3	16	16	0.78	.
North Eastern Alberta	16	2	30	4	1.89	.
Peace River	17	0	34	3	1.22	.
Red Deer	11	3	20	7	0.56	.
South Peace/Grande Prairie	0	0	0	27	0.00	.
Stony Plain-Lac Ste. Anne	5	-4	13	20	0.22	.
Sturgeon	2	-2	6	22	0.22	.
Vegreville	11	-3	25	8	1.22	.
Wetoka	7	-3	16	17	0.78	.
Alberta	9	7	11			



NUMBER OF DEATHS, 1984
MALES
ISCHEMIC HEART DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	1	7	14	44	66
Alberta West Central	0	0	0	0	0	1	3	3	7	15	29
Atabasca	0	0	0	0	0	1	2	8	8	10	29
Banff National Park	0	0	0	0	0	0	0	1	1	3	5
Barons-Eureka-Warner	0	0	0	0	0	2	1	4	11	21	39
Big Country	0	0	0	0	0	0	1	2	5	8	16
Calgary	0	0	0	0	1	10	25	67	94	160	357
Chinook	0	0	0	0	0	0	1	5	8	22	36
Drumheller	0	0	0	0	0	1	1	3	9	19	33
Edmonton	0	0	0	0	0	11	38	84	115	159	407
Foothills	0	0	0	0	0	2	2	5	8	13	30
Fort McMurray	0	0	0	0	0	0	0	2	1	2	4
High Level-Fort Vermilion	0	0	0	0	0	0	0	2	0	3	6
Jasper National Park	0	0	0	0	0	0	1	7	21	26	65
Leduc-Strathcona	0	0	0	0	0	2	7	9	19	38	73
Lethbridge	0	0	0	0	0	1	3	12	33	49	95
Medicine Hat	0	0	0	0	0	1	3	8	18	30	60
Minburn-Vermilion	0	0	0	0	1	2	2	7	18	30	60
Mount View	0	0	0	0	0	0	3	5	15	21	45
North Eastern Alberta	0	0	0	0	0	2	4	9	15	21	49
Peace River	0	0	0	0	1	0	4	5	9	16	37
Red Deer	0	0	0	0	0	2	8	23	32	32	97
South Peace/Grande Prairie	0	0	0	0	1	2	7	10	5	23	45
Sturgeon	0	0	0	0	0	3	6	12	16	34	71
Stony Plain-Lac Ste. Anne	0	0	0	0	0	2	7	10	9	19	47
Vegreville	0	0	0	0	0	0	1	9	14	30	54
Wetoka	0	0	0	0	0	0	6	8	5	24	43
Alberta	0	0	0	0	5	45	135	317	497	843	1842

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
ISCHEMIC HEART DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	37	247	625	3207
Alberta West Central	0	0	0	0	0	36	158	256	1153	4054
Alberta South Central	0	0	0	0	0	34	141	745	1099	2041
Barren National Park	0	0	0	0	0	0	0	654	1266	7695
Barren-Lureka-Warner	0	0	0	0	0	79	52	242	1012	3035
Big Country	0	0	0	0	0	0	153	245	1263	3125
Calgary	0	0	0	0	1	23	86	336	935	2788
Chinook	0	0	0	0	0	0	54	285	567	2861
Drumheller	0	0	0	0	0	46	66	194	2376	2376
Edmonton	0	0	0	0	0	32	142	408	1036	2524
Foot Hills	0	0	0	0	0	83	127	364	805	2230
Fort McMurray	0	0	0	0	0	0	0	444	725	1852
High Level-Fort Vermilion	0	0	0	0	0	0	0	806	1227	2817
Jasper National Park	0	0	0	0	0	0	461	0	0	9091
Leduc-Strathcona	0	0	0	0	0	22	152	326	1501	3338
Lethbridge	0	0	0	0	0	31	115	492	1045	3060
Medicine Hat	0	0	0	0	14	22	88	243	1488	4246
Minburn-Vermilion	0	0	0	0	31	90	115	407	1483	3774
Mount View	0	0	0	0	0	0	97	232	1345	2547
North Eastern Alberta	0	0	0	0	0	66	97	526	1298	2605
Peace River	0	0	0	0	29	0	193	339	936	2582
Red Deer	0	0	0	0	0	28	160	556	1190	2092
South Peace/Grande Prairie	0	0	0	0	16	51	281	368	455	3129
Stony Plain-Lac Ste. Anne	0	0	0	0	0	59	214	474	768	3455
Sturgeon	0	0	0	0	0	26	156	401	915	2931
Vegreville	0	0	0	0	0	0	64	531	971	3096
Wetoka	0	0	0	0	0	0	318	445	377	2827
Alberta	0	0	0	0	2	28	124	378	1000	2848

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1984
ISCHEMIC HEART DISEASE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	126	96	157	25	0.81	.
Alberta West Central	186	118	254	5	1.20	.
Albion	169	107	231	10	1.09	.
Banff National Park	295	34	556	1	1.90	.
Barons-Eureka-Harner	150	103	197	19	0.97	.
Big Country	161	82	241	12	1.04	.
Calgary	143	128	158	22	0.92	.
Chinook	108	72	143	26	0.70	.
Drumheller	132	87	178	24	0.85	.
Edmonton	152	137	167	17	0.98	.
Foot Hills	137	88	187	23	0.88	.
Fort McMurray	107	-9	224	27	0.69	.
High Level-Fort Vermilion	178	34	321	8	1.15	.
Jasper National Park	268	-1	536	2	1.73	.
Leduc-Strathcona	185	140	231	6	1.19	.
Lehrbridge	169	129	208	11	1.09	.
Medicine Hat	198	158	268	4	1.28	YES
Minburn-Vermilion	213	102	187	3	1.37	YES
Mount View	145	125	222	21	0.94	.
North Eastern Alberta	173	102	200	9	1.12	.
Peace River	151	102	191	18	0.97	.
Red Deer	159	127	205	14	1.03	.
South Peace/Grande Prairie	158	112	230	15	1.02	.
Stony Plain-Lac Ste. Anne	179	127	193	7	1.15	.
Sturgeon	157	120	205	16	1.01	.
Vegreville	161	117	191	13	1.04	.
Wetoka	146	102	191	20	0.94	.
Alberta	155	147	162			



ISCHEMIC HEART DISEASE, MALES, 1984

NUMBER OF DEATHS, 1984
MALES
CEREBROVASCULAR DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	0	1	2	18	21
Alberta West Central	0	0	0	0	0	0	0	0	3	4	7
Athabasca	0	0	0	0	0	0	1	0	2	2	5
Banff National Park	0	0	0	0	0	0	0	0	0	1	1
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	5	5
Big Country	0	0	0	0	0	0	0	0	0	1	1
Calgary	1	0	0	1	1	1	5	9	33	60	111
Chinook	0	0	0	0	0	0	2	1	3	10	16
Drumheller	0	0	0	0	0	0	1	1	1	5	8
Edmonton	0	0	0	0	1	4	3	17	22	50	98
Foothills	0	0	0	0	0	0	0	1	1	7	9
Fort McMurray	0	0	0	0	0	0	1	0	0	1	2
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	0	0	1	1	2
Lethbridge	0	0	0	0	0	0	3	0	2	6	11
Medicine Hat	0	0	0	0	0	1	1	0	3	5	9
Minburn-Vermilion	0	0	0	0	0	0	1	1	0	7	9
Mount View	0	0	0	0	0	0	1	0	3	7	12
North Eastern Alberta	0	0	0	0	1	1	0	0	0	2	6
Peace River	0	0	1	0	0	0	0	0	0	4	10
Red Deer	0	0	0	0	0	0	1	1	1	29	38
South Peace/Grande Prairie	0	0	0	0	0	0	0	4	2	6	9
Stony Plain-Lac Ste. Anne	0	0	0	1	0	1	0	2	0	3	7
Sturgeon	0	0	0	0	0	0	0	1	4	8	13
Vegreville	0	0	0	0	0	0	0	0	5	8	13
Wetoka	0	0	0	0	0	2	0	0	3	8	13
Alberta	1	0	1	4	4	11	19	44	104	269	457

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
CEREBROVASCULAR DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	0	35	89	1312
Alberta West Central	0	0	0	0	0	0	0	0	494	1081
Alberta	0	0	0	0	0	0	71	0	275	408
Banff National Park	0	0	0	0	0	0	0	0	0	2632
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	723
Big Country	0	0	0	0	0	0	0	0	0	723
Calgary	18	0	0	2	1	2	17	122	253	1563
Chinook	0	0	0	0	0	0	108	45	328	1045
Drumheller	0	0	0	0	0	0	66	57	213	1080
Edmonton	0	0	0	2	2	12	11	83	94	753
Foot Hills	0	0	0	0	0	0	92	73	101	794
Fort McMurray	0	0	0	0	0	0	0	0	0	1852
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	2083	3030
Leduc-Strathcona	0	0	0	0	0	0	65	0	143	770
Lethbridge	0	0	0	0	0	0	38	0	165	403
Medicine Hat	0	0	0	0	0	22	0	30	361	520
Mindburn-Vermilion	0	0	0	0	0	22	58	58	0	881
Mount View	0	0	0	0	15	21	0	139	0	938
North Eastern Alberta	0	0	0	0	0	33	0	0	260	248
Peace River	0	0	25	26	0	0	0	0	0	861
Red Deer	0	0	0	0	9	0	20	0	208	112
South Peace/Grande Prairie	0	0	0	0	0	0	0	97	112	1895
Stony Plain-Lac Ste. Anne	0	0	0	19	0	0	0	53	182	816
Sturgeon	0	0	0	0	0	20	0	95	0	545
Vegreville	0	0	0	0	0	0	0	33	229	690
Wetoka	0	0	0	0	0	82	0	0	347	826
Alberta	4	0	1	2	2	7	17	52	209	909

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1984
CEREBROVASCULAR DISEASE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	39	22	55	10	1.03	.
Alberta West Central	47	12	83	7	1.24	.
Albapasca	28	3	53	22	0.74	.
Banff National Park	65	-63	193	2	1.71	.
Barons-Jureka-Warner	18	2	34	26	0.47	.
Big Country	58	12	104	4	1.53	.
Calgary	46	37	54	8	1.21	.
Chinook	50	25	75	6	1.32	.
Drumheller	33	10	57	16	0.87	.
Edmonton	37	30	44	14	0.97	.
Foothills	39	14	65	11	1.03	.
Fort McMurray	54	-37	146	5	1.42	.
High Level-Fort Vermilion	0	0	0	27	0.00	.
Jasper National Park	162	-63	387	1	4.26	.
Leduc-Strathcona	31	12	50	19	0.82	.
Lethbridge	20	7	34	25	0.53	.
Medicine Hat	33	17	49	17	0.87	.
Minburn-Vermilion	31	10	52	20	0.82	.
Mount View	39	17	61	12	1.03	.
North Eastern Alberta	21	4	39	24	0.55	.
Peace River	39	15	63	13	1.03	.
Red Deer	62	42	82	3	1.63	YES
South Peace/Grande Prairie	32	11	52	18	0.84	.
Stony Plain-Lac Ste. Anne	26	7	46	23	0.68	.
Sturgeon	29	13	45	21	0.76	.
Vegreville	35	16	54	15	0.92	.
Wetoka	44	19	68	9	1.16	.
Alberta	38	35	42			

CEREBROVASCULAR DISEASE, MALES, 1984



NUMBER OF DEATHS, 1984
MALES
PNEUMONIA

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	0	2	1	15	18
Alberta West Central	0	0	0	0	0	0	0	0	1	1	2
Athabasca	0	0	0	0	0	0	0	0	1	2	3
Banff National Park	0	0	0	0	0	0	0	1	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	4	5
Big Country	2	0	0	0	0	0	1	0	5	1	1
Calgary	0	0	0	0	0	0	1	4	1	23	35
Chinook	1	0	0	0	0	0	1	4	5	2	7
Drumheller	0	0	0	0	0	0	1	0	1	6	9
Edmonton	0	1	0	0	0	0	2	5	10	26	45
Foot Hills	0	0	0	0	0	0	0	0	0	2	2
Fort McMurray	0	0	0	0	0	1	0	0	0	0	1
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	1	0	0	0	0	0	0	0	1	6	8
Lethbridge	0	0	0	0	0	0	0	0	0	4	4
Medicine Hat	0	0	0	0	0	0	0	0	1	1	2
Minburn-Vermilion	0	0	0	0	0	0	0	0	1	1	2
Mount View	0	0	0	0	0	0	0	0	2	2	4
North Eastern Alberta	0	0	0	0	0	0	0	0	1	1	2
Peace River	1	0	0	0	0	0	0	0	1	1	2
Red Deer	0	0	0	0	0	2	0	0	4	7	14
South Peace/Grande Prairie	0	0	0	0	0	0	0	1	0	2	3
Stony Plain-lac Ste. Anne	1	0	0	0	1	0	0	0	0	0	2
Sturgeon	0	0	0	0	0	0	0	0	0	3	3
Vegreville	0	0	0	0	0	0	0	0	1	5	6
Wetoka	0	0	0	0	0	0	0	0	2	4	6
Alberta	6	1	0	0	3	3	5	16	34	132	200

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
PNEUMONIA

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	0	71	45	1093
Alberta West Central	0	0	0	0	0	0	0	0	165	270
Athabasca	0	0	0	0	0	0	0	0	137	408
Banff National Park	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	60	0	578
Big Country	0	0	0	0	0	0	0	0	0	391
Calgary	35	0	0	0	0	0	3	20	0	50
Chinook	200	0	0	0	0	0	54	0	71	401
Drumheller	0	0	0	0	0	0	7	24	0	216
Edmonton	0	6	0	0	2	0	0	0	90	413
foothills	0	0	0	0	0	0	0	0	0	0
fort McMurray	0	0	0	0	0	0	0	0	0	343
High Level-Fort Vermilion	0	0	0	0	0	37	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	95	0	0	0	0	0	0	0	0	770
Lethbridge	0	0	0	0	0	0	0	0	0	0
Medicine Hat	0	0	0	0	0	0	0	0	0	71
Midburn-Vermilion	0	0	0	0	0	0	0	30	0	45
Mount View	0	0	0	0	0	0	0	0	82	644
North Eastern Alberta	0	0	0	0	0	0	0	0	149	252
Peace River	210	0	0	0	0	0	0	58	173	536
Red Deer	0	0	0	0	0	0	0	0	104	372
South Peace/Grande Prairie	0	0	0	0	0	28	0	0	149	287
Stony Plain-Lac Ste. Anne	125	0	0	0	14	0	0	24	0	458
Sturgeon	0	0	0	0	0	0	0	53	0	272
Vegreville	0	0	0	0	0	0	0	0	0	0
Wetoka	0	0	0	0	0	0	0	0	69	259
									151	516
Alberta	25	1	0	0	1	2	5	19	68	446

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1986
PRUDRONIA

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG.
Alberta East Central	34	18	50	1	2.00	YES
Alberta West Central	14	-5	37	15	0.82	.
Alberta	16	-2	34	11	0.94	.
Banff National Park	0	0	0	25	0.00	.
Barons-Lureka-Warner	19	2	35	8	1.12	.
Big Country	10	-9	29	18	0.59	.
Calgary	14	10	19	16	0.82	.
Chinook	24	4	43	3	1.41	.
Drumheller	28	7	50	2	1.65	.
Edmonton	17	12	22	10	1.00	.
Foot Hills	9	-3	20	21	0.53	.
Fort McMurray	5	-5	14	24	0.29	.
High Level-Fort Vermilion	0	0	0	26	0.00	.
Jasper National Park	0	0	0	27	0.00	.
Leduc-Strathcona	24	7	41	4	1.41	.
Lethbridge	16	5	27	12	0.94	.
Medicine Hat	13	3	23	17	0.76	.
Minburn-Vermilion	10	-1	21	19	0.59	.
Mount View	20	4	35	7	1.18	.
North Eastern Alberta	21	4	37	6	1.24	.
Peace River	16	0	31	13	0.94	.
Red Deer	23	11	35	5	1.35	.
South Peace/Grande Prairie	10	-1	22	20	0.59	.
Stony Plain-Lac Ste. Anne	6	-2	13	22	0.35	.
Sturgeon	6	-1	14	23	0.35	.
Vegreville	16	3	28	14	0.94	.
Wetoka	18	4	32	9	1.06	.
Alberta	17	14	19			



NUMBER OF DEATHS, 1984
MALES
CHRONIC OBSTRUCTIVE LUNG DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	1	1	4	9	15
Alberta West Central	0	0	0	0	0	0	0	0	0	1	1
Athabasca	0	0	0	0	0	0	0	1	2	3	6
Banff National Park	0	0	0	0	0	0	0	0	0	1	1
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	2	2	4
Big Country	0	0	0	0	0	0	0	0	0	0	0
Calgary	0	0	0	0	0	1	1	11	22	48	84
Chinook	0	0	0	0	0	0	0	0	0	0	0
Drumheller	0	0	0	0	0	0	0	1	3	4	8
Edmonton	0	0	0	0	0	1	0	2	3	3	6
Foothills	0	0	0	0	0	0	3	1	30	50	87
Fort McMurray	0	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	0	0	0	0	0
Leithridge	0	0	0	0	0	0	0	1	2	5	8
Medicine Hat	0	0	0	0	0	0	0	1	4	9	15
Minburn-Vermilion	0	0	0	0	0	0	0	1	3	3	7
Mount View	1	0	0	0	0	0	0	0	0	0	1
North Eastern Alberta	0	0	0	0	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0	0	1	4	9
Red Deer	0	0	1	0	0	0	1	4	7	6	19
South Peace/Grande Prairie	0	0	0	0	0	0	1	1	1	2	5
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	1	1	2	5
Sturgeon	0	0	0	0	0	0	1	0	3	5	9
Vegreville	0	0	0	0	0	0	0	0	2	3	5
Wetoka	0	0	0	0	0	0	0	0	4	4	10
Alberta	1	0	1	3	1	2	8	29	104	186	335

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
CHRONIC OBSTRUCTIVE LUNG DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	37	35	179	656
Alberta West Central	0	0	0	0	0	0	0	0	0	270
Athabasca	0	0	0	0	0	0	0	93	275	270
Barrt National Park	0	0	0	0	0	0	0	0	0	612
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	2632
Big Country	0	0	0	0	0	0	0	0	184	289
Calgary	0	0	0	2	0	2	3	0	0	0
Chinook	0	0	0	0	0	0	0	55	219	836
Drumheller	0	0	0	0	0	0	0	57	213	432
Edmonton	0	0	0	2	0	3	11	10	281	452
Foothills	0	0	0	0	0	0	0	73	270	794
Fort McMurray	0	0	0	0	0	0	0	0	101	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	1408
Jasper National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	0	36	0	0
Lethbridge	0	0	0	0	0	0	0	41	143	642
Medicine Hat	0	0	0	14	0	0	0	30	275	725
Minburn-Vermilion	0	0	0	0	0	0	0	58	180	433
Mount View	144	0	0	0	0	0	0	0	224	377
North Eastern Alberta	0	0	0	0	0	0	0	0	87	804
Peace River	0	0	0	0	0	0	0	0	416	744
Red Deer	0	0	11	0	0	0	0	97	260	717
South Peace/Grande Prairie	0	0	0	0	0	0	20	53	91	392
Stony Plain-Lac Ste. Anne	0	0	0	0	14	0	40	47	85	272
Sturgeon	0	0	0	0	0	0	22	0	172	909
Vegreville	0	0	0	0	0	0	0	0	139	431
Wetoka	0	0	0	0	0	0	0	111	302	310
Alberta	4	0	1	1	0	1	7	35	209	628

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1984
CHRONIC OBSTRUCTIVE LUNG DISEASE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	30	14	45	12	1.07	.
Alberta West Central	7	-6	20	24	0.25	.
Albion	33	7	60	5	1.18	.
Banff National Park	65	-63	193	1	2.32	.
Barons-Eureka-Warner	15	0	29	20	0.54	.
Big Country	0	0	0	25	0.00	.
Calgary	35	27	42	2	1.25	.
Chinook	24	7	40	13	0.86	.
Drumheller	23	5	41	15	0.82	.
Edmonton	33	26	40	23	1.18	.
Foothills	9	-4	22	26	0.32	.
Fort McMurray	0	0	0	27	0.00	.
High Level-Fort Vermilion	35	-34	104	3	1.25	.
Jasper National Park	0	0	0	27	0.00	.
Leduc-Strathcona	24	7	41	14	0.86	.
Lethbridge	32	16	49	7	1.14	.
Medicine Hat	23	9	37	16	0.82	.
Minburn-Vermilion	13	0	27	21	0.46	.
Mount View	32	12	52	8	1.14	.
North Eastern Alberta	22	6	38	17	0.79	.
Peace River	35	12	58	4	1.25	.
Red Deer	31	17	45	11	1.11	.
South Peace/Grande Prairie	18	2	34	19	0.64	.
Stony Plain-Lac Ste. Anne	32	10	55	9	1.14	.
Sturgeon	20	7	33	18	0.71	.
Vegreville	13	2	25	22	0.46	.
Wetoka	32	12	52	10	1.14	.
Alberta	28	25	31			



NUMBER OF DEATHS, 1984

MALES

LIVER CIRRHOSIS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	1	0	1	0	2	0	4
Alberta West Central	0	0	0	0	0	0	0	2	0	0	2
Albapasca	0	0	0	0	0	0	0	0	1	0	1
Banff National Park	0	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	1	0	1
Big Country	0	0	0	0	0	0	1	0	1	0	2
Calgary	0	0	0	0	0	5	7	12	9	3	36
Chinook	0	0	0	0	0	0	1	3	1	0	5
Drumheller	0	0	0	0	0	0	0	2	0	0	2
Edmonton	0	0	0	0	0	9	7	16	10	1	43
Foot Hills	0	0	0	0	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0	1	1	0	2
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	1	0	0	1	0	2
Lethbridge	0	0	0	0	0	0	0	1	1	0	2
Medicine Hat	0	0	0	0	0	0	0	1	1	0	2
Minburn-Vermilion	0	0	0	0	0	0	1	3	0	0	3
Mount View	0	0	0	0	0	0	0	0	0	0	0
North Eastern Alberta	0	0	0	0	0	0	0	0	1	0	1
Peace River	0	0	0	0	0	0	0	0	0	0	0
Red Deer	1	0	0	0	0	1	1	1	0	1	4
South Peace/Grande Prairie	0	0	0	0	0	0	0	2	1	0	3
Stony Plain-Lac Ste. Anne	0	0	0	0	1	0	0	3	2	0	6
Sturgeon	0	0	0	0	0	0	2	1	0	0	3
Vegreville	0	0	0	0	0	1	0	0	3	0	4
Wetoka	0	0	0	0	0	1	1	2	0	0	4
Alberta	1	0	0	0	2	18	22	51	36	6	136

3.40

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
LIVER CIRRHOSIS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	23	0	37	0	89	0
Alberta West Central	0	0	0	0	0	0	0	171	0	0
Athabasca	0	0	0	0	0	0	0	0	137	0
Banff National Park	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	92	0
Big Country	0	0	0	0	0	0	153	0	253	0
Calgary	0	0	0	0	0	12	24	60	90	52
Chinook	0	0	0	0	0	0	54	171	71	0
Drumheller	0	0	0	0	0	0	26	130	90	0
Edmonton	0	0	0	0	0	26	26	78	101	16
Foot Hills	0	0	0	0	0	0	0	73	0	0
Fort McMurray	0	0	0	0	0	0	0	0	0	0
High Level-fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	11	0	0	71	0
Lehrbridge	0	0	0	0	0	0	0	41	55	0
Medicine Hat	0	0	0	0	0	0	0	30	45	0
Minburn-Vermilion	0	0	0	0	0	0	0	174	0	0
Mount View	0	0	0	0	0	0	32	0	75	134
North Eastern Alberta	0	0	0	0	0	0	0	0	0	0
Pace River	0	0	0	0	0	0	0	68	0	143
Red Deer	85	0	0	0	0	0	20	24	0	0
South Peace/Grande Prairie	0	0	0	0	0	0	0	105	91	0
Stony Plain-Lac Ste. Anne	0	0	0	0	14	0	0	142	171	0
Sturgeon	0	0	0	0	0	0	45	33	0	0
Vegreville	0	0	0	0	0	52	0	0	208	0
Wetoka	0	0	0	0	0	41	53	111	0	0
Alberta	4	0	0	0	1	11	20	61	72	20

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1980
LIVER CIRRHOSIS

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	12	-1	25	8	1.09	.
Alberta West Central	12	-5	29	9	1.09	.
Alberta	6	-5	17	17	0.55	.
Banff National Park	0	0	0	23	0.00	.
Barons-Eureka-Warner	4	-4	11	20	0.36	.
Big Country	25	-10	59	1	2.27	.
Calgary	13	9	17	7	1.18	.
Chinook	20	2	38	2	1.82	.
Drumheller	9	-4	22	12	0.82	.
Edmonton	15	11	20	6	1.36	.
Foothills	9	-4	22	13	0.82	.
Fort McMurray	0	0	0	24	0.00	.
High Level-Fort Vermilion	0	0	0	25	0.00	.
Jasper National Park	0	0	0	26	0.00	.
Leduc-Strathcona	4	0	11	21	0.36	.
Lethbridge	5	2	12	19	0.45	.
Medicine Hat	4	-2	10	22	0.36	.
Mindurn-Vermilion	12	-2	26	10	1.09	.
Mount View	9	-1	20	14	0.82	.
North Eastern Alberta	0	0	0	27	0.00	.
Peace River	8	-3	20	15	0.73	.
Red Deer	7	0	14	16	0.64	.
South Peace/Grande Prairie	11	-1	24	11	1.00	.
Stony Plain-lac Ste. Anne	20	4	36	3	1.82	.
Sturgeon	6	-1	14	18	0.55	.
Vegreville	16	-1	32	5	1.45	.
Wetoka	18	0	36	4	1.64	.
Alberta	11	9	13			



LIVER CIRRHOSIS, MALES, 1984

3.42

NUMBER OF DEATHS, 1984
MALES
CONGENITAL ANOMALY

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	1	0	0	0	0	0	0	0	0	0	1
Alberta West Central	4	0	0	0	0	0	0	0	0	0	4
Althabasca	0	0	0	1	0	0	0	0	0	0	1
Banff National Park	0	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	1	0	0	0	0	0	0	0	0	0	1
Big Country	0	0	0	0	0	0	0	0	0	0	0
Calgary	21	0	0	0	0	0	0	0	1	0	22
Chinook	1	0	0	0	0	0	0	0	0	0	1
Drumheller	1	0	0	0	0	0	0	0	0	0	1
Edmonton	23	1	0	1	0	0	0	0	0	0	26
Foothills	0	0	0	0	0	0	0	0	0	0	0
Fort McMurray	1	0	0	0	0	0	0	0	0	0	1
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	3	1	0	0	0	0	0	0	0	0	4
Lethbridge	0	0	0	0	0	0	0	0	0	0	0
Medicine Hat	1	0	0	0	0	0	0	0	0	0	1
Minburn-Vermilion	1	0	0	0	0	0	0	1	0	0	2
Mount View	1	0	0	0	0	0	0	0	0	0	1
North Eastern Alberta	2	0	0	0	0	0	0	0	0	0	2
Peace River	0	0	0	0	0	1	0	0	0	0	1
Red Deer	4	0	0	0	0	0	0	0	0	0	4
South Peace/Grande Prairie	1	0	0	0	0	0	0	0	0	0	1
Stony Plain-Lac Ste. Anne	1	0	0	0	0	0	0	0	0	0	1
Sturgeon	2	0	1	0	0	0	0	0	0	0	3
Vegreville	0	0	0	0	0	0	0	0	0	0	0
Wetoka	3	0	0	0	0	0	0	0	0	0	3
Alberta	72	2	1	2	2	0	0	1	1	0	81

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
CONGENITAL ANOMALY

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	187	0	0	0	0	0	0	0	0	0
Alberta West Central	905	0	0	0	0	0	0	0	0	0
Alberta North Central	0	0	0	40	0	0	0	0	0	0
Barons-Eureka-Warner	221	0	0	0	0	0	0	0	0	0
Big Country	0	0	0	0	0	0	0	0	0	0
Calgary	368	0	0	0	0	0	0	0	10	0
Chinook	200	0	0	0	0	0	0	0	0	0
Drumheller	300	0	0	0	0	0	0	0	0	0
Edmonton	434	6	0	2	2	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0	0	0	0
Fort McMurray	215	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper-National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	286	23	0	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	0	0	0	0	0	0
Medicine Hat	122	0	0	0	0	0	0	30	0	0
Minburn-Vermilion	249	0	0	0	0	0	0	0	0	0
Mount View	144	0	0	0	0	0	0	0	0	0
North Eastern Alberta	391	0	0	0	0	0	0	0	0	0
Peace River	0	0	0	0	29	0	0	0	0	0
Red Deer	342	0	0	0	0	0	0	0	0	0
South Peace/Grande Prairie	136	0	0	0	0	0	0	0	0	0
Stony Plain-Lac Ste. Anne	125	0	11	0	0	0	0	0	0	0
Sturgeon	190	0	0	0	0	0	0	0	0	0
Vegreville	0	0	0	0	0	0	0	0	0	0
Wetoka	670	0	0	0	0	0	0	0	0	0
Alberta	304	2	1	1	1	0	0	1	2	0

AGE-STANDARDIZED DEATH RATES (PER 100,000 RATES), 1984

CONFIDENTIAL ANOMALY

HEALTH UNIT	RATE	LOWER	UPPER	RANK	P-VALUE	SIG
Alberta East Central	4	-4	11	14	0.57	*
Alberta West Central	18	-1	36	1	2.97	*
Albion	8	-7	23	4	1.14	*
Banff National Park	0	0	0	21	0.00	*
Barons-Lureka-Warner	4	-4	13	15	0.97	*
Big Country	4	0	0	22	0.00	*
Calgary	8	5	11	5	1.14	*
Chinook	4	-4	12	9	0.86	*
Drumheller	6	-6	18	16	0.57	*
Edmonton	10	6	13	3	1.43	*
Foot Hills	0	0	0	23	0.00	*
Fort McMurray	4	-4	12	17	0.57	*
High Level-Fort Vermilion	0	0	0	24	0.00	*
Jasper National Park	0	0	0	29	0.00	*
Leduc-Strathcona	7	0	14	7	1.00	*
Letbridge	0	0	0	26	0.00	*
Medicine Hat	5	-2	11	11	0.71	*
Minburn-Vermilion	5	-5	15	12	0.71	*
Mount View	3	-3	8	18	0.43	*
North Eastern Alberta	8	-3	19	6	1.14	*
Peace River	6	-6	18	10	0.86	*
Rod Deer	7	0	13	8	1.00	*
South Peace/Grande Prairie	3	-3	8	19	0.43	*
Stony Plain-lac Ste. Anne	2	-2	7	20	0.29	*
Sturgeon	5	-1	12	13	0.71	*
Vegreville	0	0	0	27	0.00	*
Wetoka	13	-2	28	2	1.86	*
Alberta	7	5	8			

CONGENITAL ANOMALY, MALES, 1984



NUMBER OF DEATHS, 1984
MALES
MOTOR VEHICLE ACCIDENTS

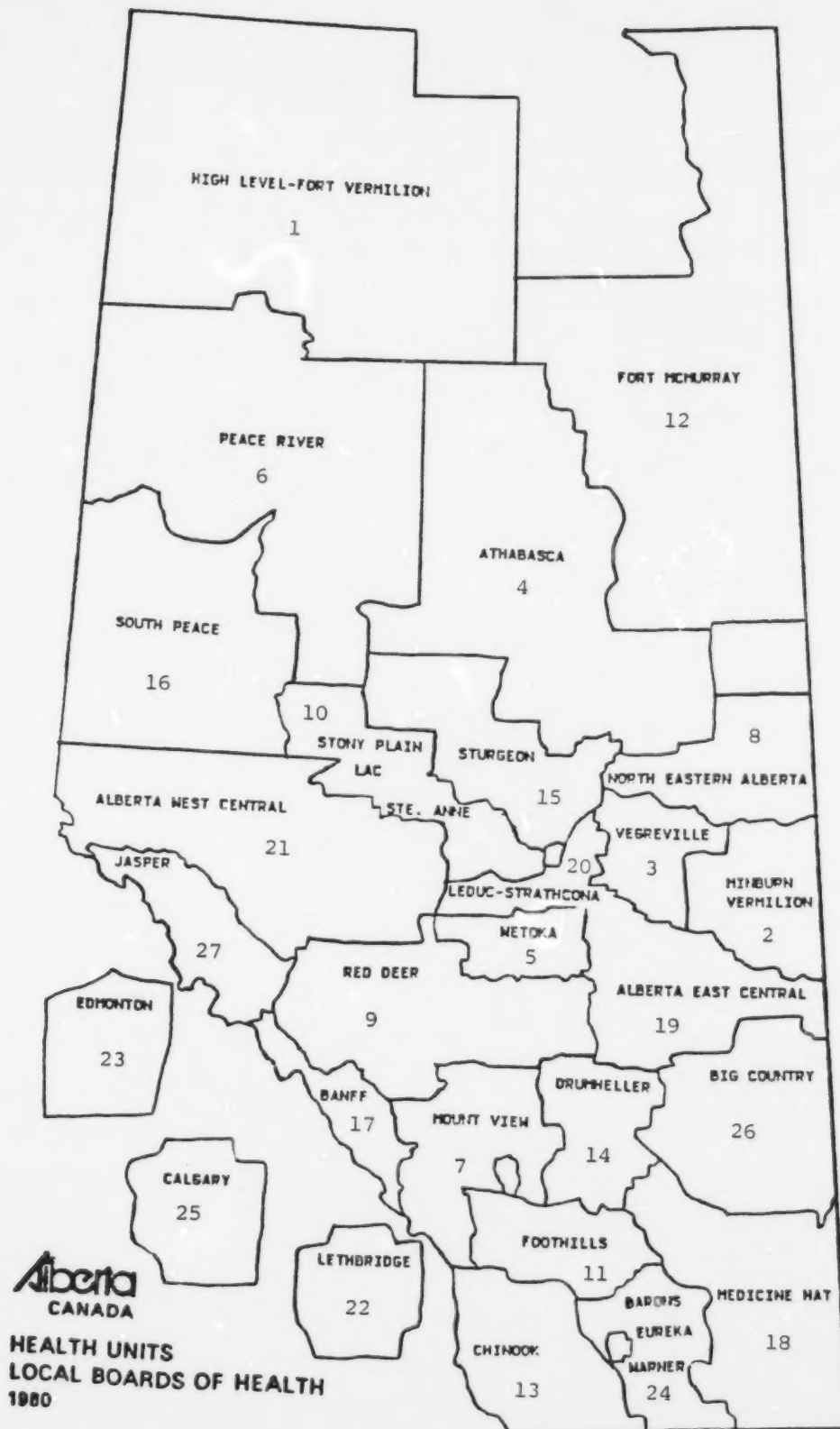
HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	3	1	0	1	3	0	0	8
Alberta West Central	0	0	0	2	0	0	1	1	0	0	4
Athabasca	0	0	2	4	2	0	0	0	0	0	8
Banff National Park	0	0	0	1	0	0	0	0	0	0	1
Barons-Eureka-Warner	0	0	0	0	1	0	0	0	0	1	3
Big Country	0	0	0	0	0	0	0	0	0	1	1
Calgary	0	0	0	12	11	2	0	2	0	1	37
Chinook	0	0	0	0	0	0	0	0	0	1	1
Drumheller	0	0	0	0	2	1	1	3	0	1	7
Edmonton	0	0	0	5	2	0	0	0	0	0	6
Foothills	0	0	0	15	12	11	5	4	1	4	52
Fort McMurray	0	0	0	2	1	0	1	0	0	1	6
High Level-fort Vermilion	0	0	0	3	2	1	2	0	0	0	6
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	4	3	0	3	0	0	0	10
Lethbridge	0	0	0	4	0	0	3	0	0	0	6
Medicine Hat	0	1	0	3	1	0	1	2	0	2	11
Minburn-Vermilion	0	0	0	8	2	0	1	2	0	0	13
Mount View	0	0	1	0	1	0	0	0	1	1	9
North Eastern Alberta	0	0	0	2	3	0	2	0	0	0	13
Peace River	0	0	1	4	1	2	1	0	0	1	11
Red Deer	0	0	2	10	5	3	2	2	1	0	23
South Peace/Grande Prairie	0	0	1	4	2	0	2	0	0	1	10
Stony Plain-Lac Ste. Anne	0	0	1	3	2	1	2	1	0	1	12
Sturgeon	0	0	2	1	8	1	2	0	1	1	16
Vegreville	0	0	0	4	0	1	1	3	0	0	9
Wetoka	0	0	1	3	3	0	1	1	0	2	11
Alberta	0	1	11	109	67	24	37	24	10	16	299

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
MOTOR VEHICLE ACCIDENTS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	65	23	0	37	106	0	0
Alberta West Central	0	0	0	51	0	0	53	85	0	0
Albion	0	0	63	162	86	0	0	0	0	0
Banff National Park	0	0	0	156	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	27	31	0	0	0	0	0
Big Country	0	0	0	0	0	0	0	0	0	145
Calgary	0	0	0	19	14	0	21	0	0	391
Chinook	0	0	0	0	0	5	0	10	30	17
Drumheller	0	0	0	0	60	40	54	171	0	0
Edmonton	0	0	0	168	19	0	19	0	94	0
Foot Hills	0	0	0	26	0	32	0	19	0	63
Fort McMurray	0	0	0	40	100	0	19	0	9	63
High Level-Fort Vermillion	0	0	0	58	20	0	63	0	0	172
Jasper National Park	0	0	0	266	199	37	184	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	221	0	0	0
Lethbridge	0	0	0	48	0	0	0	0	0	0
Medicine Hat	0	35	0	62	29	0	65	0	0	0
Minburn-Vermilion	0	0	0	86	0	0	38	0	0	161
Mount View	0	0	0	227	14	0	29	61	0	0
North Eastern Alberta	0	0	18	153	61	0	58	116	0	0
Peace River	0	0	0	49	15	0	65	0	75	0
Red Deer	0	0	25	102	57	66	48	0	87	124
South Peace/Grande Prairie	0	0	23	92	44	115	40	0	0	0
Stony Plain-Lac Ste. Anne	0	0	19	67	32	14	80	48	37	0
Sturgeon	0	0	16	58	29	0	71	47	0	136
Vegreville	0	0	22	13	87	20	45	0	85	182
Wetoka	0	0	29	180	0	13	64	177	57	86
Alberta	0	1	6	49	27	15	34	29	20	54
				90	94	52	53	56	0	236

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1984
MOTOR VEHICLE ACCIDENTS

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	28	8	48	19	1.12	.
Alberta West Central	20	0	40	21	0.80	.
Athabasca	58	17	99	4	2.32	.
Banff National Park	29	-28	87	17	1.16	.
Barons-Eureka-Warner	15	-2	33	24	0.60	.
Big Country	10	-9	29	26	0.40	.
Calgary	12	8	15	25	0.48	.
Chinook	35	9	61	13	1.40	.
Drumheller	35	7	64	14	1.40	.
Edmonton	18	13	23	23	0.72	.
Foot Hills	39	7	70	11	1.11	.
Fort McMurray	37	6	67	12	1.56	.
High Level-Fort Vermilion	112	22	202	1	4.48	YES
Jasper National Park	0	0	0	27	0.00	.
Leduc-Strathcona	21	8	34	20	0.84	.
Lethbridge	19	3	35	22	0.76	.
Medicine Hat	29	12	45	18	1.16	.
Minburn-Vermilion	69	31	107	2	2.76	YES
Mount View	44	20	68	7	1.76	.
North Eastern Alberta	42	14	70	8	1.68	.
Peace River	55	22	88	6	2.20	YES
Red Deer	40	24	57	9	1.60	YES
South Peace/Grande Prairie	33	12	53	16	1.32	.
Stony Plain-Lac Ste. Anne	40	17	63	10	1.60	.
Sturgeon	34	17	51	15	1.36	.
Vegreville	59	19	99	3	2.36	YES
Wetoka	56	22	90	5	2.24	YES
Alberta	25	22	28			



MOTOR VEHICLE ACCIDENTS, MALES, 1984

3.50

NUMBER OF DEATHS, 1984

MALES
SUICIDE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	3	1	0	3	1	0	1	9
Alberta West Central	0	0	0	0	0	0	0	0	0	0	0
Athabasca	0	0	0	4	1	0	1	0	0	0	6
Banff National Park	0	0	0	0	0	0	1	0	0	0	1
Barons-Eureka-Warner	0	0	0	0	0	1	0	0	0	0	1
Big Country	0	0	0	1	0	0	0	0	0	0	1
Calgary	0	0	0	16	15	14	3	9	4	1	62
Chinook	0	0	0	2	2	1	2	1	3	0	11
Drumheller	0	0	0	0	0	2	0	2	0	1	5
Edmonton	0	0	2	12	23	18	15	7	4	0	81
Foot Hills	0	0	0	0	1	0	1	0	0	0	3
Fort McMurray	0	0	0	2	2	0	0	0	0	0	3
High Level-Fort Vermilion	0	0	0	2	1	0	0	0	0	0	3
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	5	2	0	1	2	1	0	12
Lethbridge	0	0	0	0	1	2	1	3	1	0	9
Medicine Hat	0	0	0	0	2	2	3	1	0	0	8
Minburn-Vermilion	0	0	0	0	1	0	0	1	0	0	2
Mount View	0	0	0	2	1	1	0	0	1	1	5
North Eastern Alberta	0	0	0	1	1	0	0	0	2	0	8
Peace River	0	0	0	4	2	1	3	3	1	0	18
Red Deer	0	0	0	1	1	0	0	0	0	0	7
South Peace/Grande Prairie	0	0	3	6	4	1	0	2	1	0	18
Stony Plain-Lac Ste. Anne	0	0	0	1	2	0	2	1	0	1	12
Sturgeon	0	0	0	3	2	2	2	1	0	0	15
Vegreville	0	0	0	0	1	3	0	1	2	0	4
Wetoka	0	0	0	2	1	1	1	1	1	1	9
Alberta	0	0	5	70	70	49	44	37	20	8	303

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1984
SUICIDE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	65	23	0	111	35	0	73
Alberta West Central	0	0	0	0	0	0	0	0	0	0
Athabasca	0	0	0	162	43	0	71	0	0	0
Banff National Park	0	0	0	0	0	0	485	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	39	0	0	0	0
Big Country	0	0	0	91	0	0	0	0	0	0
Calgary	0	0	0	25	20	32	10	45	40	17
Chinook	0	0	0	55	60	40	108	57	213	0
Drumheller	0	0	0	0	0	0	0	0	0	0
Edmonton	0	0	6	20	36	52	56	130	36	151
Foothills	0	0	0	58	67	0	63	0	0	0
Fort McMurray	0	0	0	177	20	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	188	0	0	0	0	0
Leduc-Strathcona	0	0	0	60	19	11	22	72	71	161
Lethbridge	0	0	0	0	19	62	0	123	55	0
Medicine Hat	0	0	0	0	28	44	88	30	0	0
Minburn-Vermilion	0	0	0	57	0	0	0	0	0	0
Mount View	0	0	0	19	15	0	0	46	75	134
North Eastern Alberta	0	0	0	99	28	33	0	0	173	0
Peace River	0	0	0	26	57	0	0	136	37	0
Red Deer	0	0	34	55	35	14	145	73	0	0
South Peace/Grande Prairie	0	0	0	17	32	0	80	53	0	136
Stony Plain-Lac Ste. Anne	0	0	0	58	43	39	71	33	0	0
Sturgeon	0	0	0	40	22	39	134	0	0	0
Vegreville	0	0	0	0	45	0	0	59	139	0
Wetoka	0	0	0	60	94	41	53	0	75	118
Alberta	0	0	3	31	28	31	40	44	40	27

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1984
SUICIDE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	32	10	53	10	1.28	.
Alberta West Central	0	0	0	27	0.00	.
Athabasca	46	9	83	3	1.84	.
Banff National Park	44	-43	132	4	1.76	.
Barons-Eureka-Warner	5	-5	15	26	0.20	.
Big Country	17	-16	51	22	0.68	.
Calgary	19	15	24	20	0.76	.
Chinook	51	20	82	1	2.04	.
Drumheller	25	3	48	16	1.00	.
Edmonton	28	22	42	13	1.12	.
Foot Hills	20	-3	34	19	0.80	.
Fort McMurray	15	-2	32	24	0.60	.
High Level-Fort Vermilion	33	-13	80	9	1.32	.
Jasper National Park	39	-38	117	6	1.56	.
Leduc-Strathcona	27	11	42	14	1.08	.
Lethbridge	22	7	37	15	0.88	.
Medicine Hat	11	-4	25	25	0.44	.
Minburn-Vermilion	16	2	31	23	0.64	.
Mount View	36	11	61	8	1.44	.
North Eastern Alberta	40	12	67	5	1.60	.
Peace River	31	17	46	12	1.24	.
Red Deer	24	6	42	17	0.96	.
South Peace/Grande Prairie	38	17	60	7	1.52	.
Stony Plain-Lac Ste. Anne	32	16	48	11	1.28	.
Sturgeon	19	-2	41	21	0.76	.
Vegreville	47	15	79	2	1.88	.
Wetoka						.
Alberta	25	23	28			.

Alberta
CANADA

HEALTH UNITS
LOCAL BOARDS OF HEALTH
1980



SUICIDE, MALES, 1984

3.54

NUMBER OF DEATHS 1984
MALES
PROSTATE CANCER

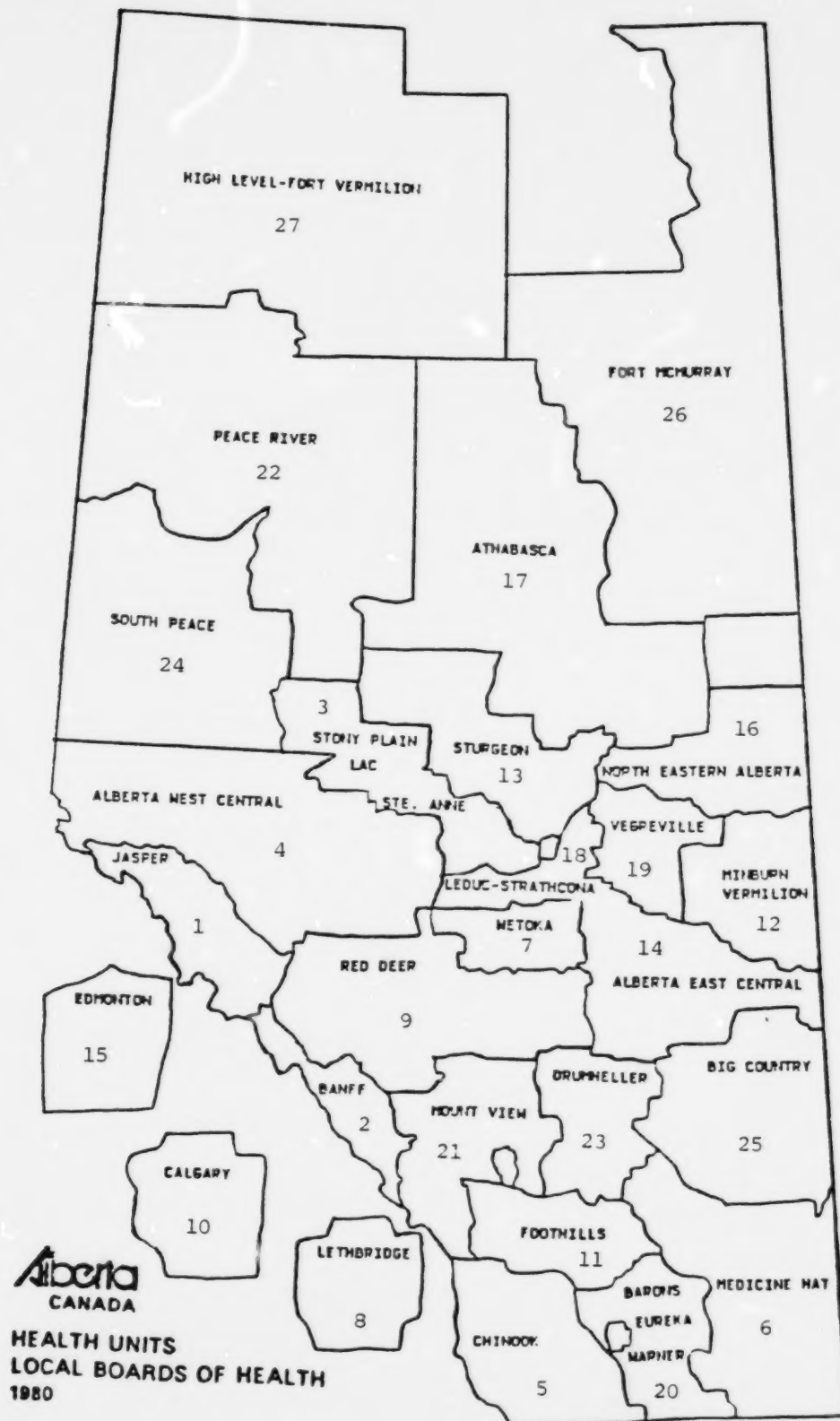
HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total
Alberta East Central	0	0	0	0	0	0	0	0	1	7	8
Alberta West Central	0	0	0	0	0	0	0	1	0	3	4
Athabasca	0	0	0	0	0	0	0	0	1	1	2
Banff National Park	0	0	0	0	0	0	0	0	0	1	1
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	2	2
Big Country	0	0	0	0	0	0	0	0	0	0	0
Calgary	0	0	0	0	0	0	1	2	15	22	40
Chinook	0	0	0	0	0	0	1	2	0	4	7
Drumheller	0	0	0	0	0	0	0	1	1	0	1
Edmonton	0	0	0	0	0	0	0	0	1	1	1
Foothills	0	0	0	0	0	0	0	0	2	25	37
Fort McMurray	0	0	0	0	0	0	0	0	0	2	4
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	1	0	1	2
Leduc-Strathcona	0	0	0	0	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	0	0	0	0	4	6	10
Medicine Hat	0	0	0	0	0	0	0	0	1	3	4
Minburn-Vermilion	0	0	0	0	0	0	0	0	0	2	2
Mount View	0	0	0	0	0	0	0	0	0	0	0
North Eastern Alberta	0	0	0	0	0	0	0	2	0	2	4
Peace River	0	0	0	0	0	0	0	1	2	2	5
Red Deer	0	0	0	0	0	0	0	0	0	0	0
South Peace/Grande Prairie	0	0	0	0	0	0	0	0	1	1	2
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	0	1	1	2
Sturgeon	0	0	0	0	0	0	0	0	2	2	4
Vegreville	0	0	0	0	0	0	0	1	1	2	4
Wetoka	0	0	0	0	0	0	0	1	1	5	7
Alberta	0	0	0	0	0	0	2	12	51	116	181

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES) 1984
PROSTATE CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	0	0	45	510
Alberta West Central	0	0	0	0	0	0	0	85	0	811
Athabasca	0	0	0	0	0	0	0	0	137	204
Banff National Park	0	0	0	0	0	0	0	0	0	2632
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	289
Big Country	0	0	0	0	0	0	3	0	0	0
Calgary	0	0	0	0	0	0	0	10	149	383
Chinook	0	0	0	0	0	0	54	114	0	432
Drumheller	0	0	0	0	0	0	0	0	94	0
Edmonton	0	0	0	0	0	0	0	5	99	397
Foothills	0	0	0	0	0	0	0	0	201	343
Fort McMurray	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	3030
Jasper National Park	0	0	0	0	0	0	0	870	0	257
Leduc-Strathcona	0	0	0	0	0	0	0	0	71	483
Lethbridge	0	0	0	0	0	0	0	0	220	693
Medicine Hat	0	0	0	0	0	0	0	0	135	252
Minburn-Vermilion	0	0	0	0	0	0	0	0	247	268
Mount View	0	0	0	0	0	0	0	0	0	287
North Eastern Alberta	0	0	0	0	0	0	0	117	0	248
Peace River	0	0	0	0	0	0	0	0	0	523
Red Deer	0	0	0	0	0	0	0	24	74	0
South Peace/Grande Prairie	0	0	0	0	0	0	0	0	91	909
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	0	171	345
Sturgeon	0	0	0	0	0	0	0	33	114	206
Vegreville	0	0	0	0	0	0	0	0	69	589
Wetoka	0	0	0	0	0	0	0	56	75	0
Alberta	0	0	0	0	0	0	2	14	103	392

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1984
PROSTATE CANCER

HEALTH UNIT	PALE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	15	4	25	14	1.00	.
Alberta West Central	26	0	52	4	1.73	.
Athabasca	11	-4	26	17	0.73	.
Banff National Park	65	-63	193	2	4.33	.
Barons-Eureka-Warner	7	-3	17	20	0.47	.
Big Country	0	0	0	25	0.00	.
Calgary	17	12	22	10	1.13	.
Chinook	24	6	42	5	1.60	.
Drumheller	4	-4	12	23	0.27	.
Edmonton	14	10	19	15	0.93	.
Foot Hills	17	0	33	11	1.13	.
Fort McMurray	0	0	0	26	0.00	.
High Level-Fort Vermilion	0	0	0	27	0.00	.
Jasper National Park	136	-54	327	1	9.07	.
Leduc-Strathcona	0	-1	20	18	0.60	.
Lethbridge	21	8	34	8	1.40	.
Medicine Hat	23	9	36	6	1.53	.
Minburn-Vermilion	17	2	31	12	1.13	.
Mount View	7	-3	16	21	0.47	.
North Eastern Alberta	14	0	29	16	0.93	.
Peace River	7	-3	17	22	0.47	.
Red Deer	18	-4	28	9	1.20	.
South Peace/Grande Prairie	4	-4	11	24	0.27	.
Stony Plain-Lac Ste. Anne	30	8	52	3	2.00	.
Sturgeon	16	4	27	13	1.07	.
Vegreville	8	-1	17	19	0.53	.
Wetoka	22	6	38	7	1.47	.
Alberta	15	13	17			



PROSTATE CANCER, MALES, 1984

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Chapter 4

DEATHS - FEMALES

1984



NUMBER IN POPULATION, 1984
FEMALES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	534	1853	4204	4314	4168	3277	2636	2887	2277	1679	27629
Alberta West Central	466	1591	3419	3578	3761	2481	1493	1027	595	379	18790
Alberta North Central	301	1170	2910	2467	2268	1659	1184	970	680	443	14052
Banff National Park	28	93	130	747	613	233	183	163	108	69	2367
Barons-Eureka-Harner	443	1602	3593	3141	3143	2381	1750	1682	1146	770	19651
Big Country	119	443	960	979	941	686	592	660	381	322	6083
Calgary	5418	18316	40237	61618	68020	41222	28010	21524	13849	10119	308333
Chinook	461	1618	3739	3336	3208	2321	1839	1981	1464	1087	21054
Drumheller	313	1219	2749	2468	2780	1948	1498	1607	1124	701	16407
Edmonton	4856	16243	33769	58960	56814	34535	26457	22298	14694	10395	279021
Foot Hills	273	1154	2622	2428	2907	2221	1462	1403	1030	696	16196
Fort McMurray	466	1575	3266	3464	4269	2095	734	346	207	52	16364
High Level-Fort Vermilion	188	771	1508	1121	881	615	335	209	109	75	5815
Jasper National Park	23	66	174	441	368	202	167	2536	1447	52	50762
Leduc-Strathcona	1001	4183	9960	7236	11236	8283	3926	2818	2353	1765	29388
Lethbridge	489	1706	3758	5260	5099	3400	2740	3478	2450	1639	38039
Medicine Hat	779	2679	5784	6741	6788	4479	3222	1587	1236	908	17868
Minburn-Vermilion	335	1268	2814	3072	3003	2031	1614	2031	1417	799	30324
Mount View	682	2345	4950	4804	6352	4219	2781	1792	1714	1329	21752
North Eastern Alberta	472	1777	4180	3790	3537	2488	1792	1561	1069	793	19931
Peace River	472	1689	3816	3541	3377	2488	1792	1561	1069	793	19931
Red Deer	404	1689	3816	3541	3377	2488	1792	1561	1069	793	19931
South Peace/Grande Prairie	1114	3926	8450	10686	10568	6974	4601	4230	2888	1955	55392
Sturgeon	654	2488	4993	5515	5709	3499	2207	1728	1015	782	28590
Stony Plain-Lac Ste. Anne	705	2728	5774	4961	6768	4413	2306	1761	1021	650	31087
Vegreville	944	3598	8421	1883	2278	1728	1477	2622	1767	1276	45683
Wetoka	262	990	2284	1883	2278	1728	1477	2622	1767	1276	45683
Alberta	370	1411	3137	3077	3237	2358	1834	1827	1382	931	19564
Alberta	22100	78502	171601	216505	231597	149403	1022298	86102	58000	40998	1157706

AGE-DISTRIBUTIONS (IN %), 1984
FEMALES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	2	7	15	16	15	12	9	10	8	6
Alberta West Central	2	9	18	19	20	13	9	5	3	2
Alberta Athabasca	2	8	21	18	16	12	8	7	5	3
Banff National Park	1	4	6	31	25	10	8	7	5	3
Barons-Lureka-Warner	2	4	18	16	16	12	10	9	6	4
Big Country	2	7	16	16	16	11	10	11	6	5
Calgary	2	6	13	20	22	13	9	7	6	5
Chinook	2	8	18	16	15	11	9	9	5	3
Drumheller	2	7	17	15	17	12	9	10	7	5
Edmonton	2	6	12	21	20	12	10	8	5	4
Foothills	2	7	15	15	18	14	9	9	5	4
Fort McMurray	3	10	20	20	26	13	5	2	6	4
High Level-Fort Vermilion	3	13	26	19	15	11	10	4	1	0
Jasper National Park	1	4	10	26	22	12	6	7	2	1
Leduc-Strathcona	1	8	20	14	22	16	8	5	3	2
Lethbridge	2	6	13	18	17	11	9	10	8	6
Medicine Hat	2	7	15	18	17	12	9	9	7	6
Minburn-Vermilion	2	7	16	17	17	11	9	9	6	5
Mount View	2	8	15	17	21	14	9	7	5	4
North Eastern Alberta	2	8	19	16	16	13	9	7	5	4
Peace River	2	8	19	18	17	12	8	8	5	4
Red Deer	2	7	15	19	19	13	7	7	5	4
South Peace/Grande Prairie	2	9	17	19	20	12	8	6	4	3
Stony Plain-Lac Ste. Anne	2	9	19	16	22	14	7	6	3	2
Sturgeon	2	8	18	15	21	15	8	6	4	3
Vegreville	2	7	15	13	17	11	10	11	9	7
Wetoka	2	7	16	16	17	12	9	9	7	5
Alberta	2	7	15	19	20	13	9	7	5	3

NUMBER OF DEATHS, 1984
FEMALES
ALL CAUSES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	6	1	2	2	7	7	9	17	36	122	209
Alberta West Central	1	0	1	1	3	3	7	6	12	21	55
Altabasca	3	2	1	1	0	4	3	6	8	24	52
Banff National Park	0	1	0	0	0	0	0	2	3	3	9
Barons-Eureka-Warner	1	0	0	2	1	3	2	9	15	48	81
Big Country	1	0	0	1	1	1	2	5	3	24	36
Calgary	47	6	7	19	27	46	73	158	244	677	1304
Chinook	1	0	0	3	2	2	3	16	26	71	124
Drumheller	2	0	1	0	2	2	5	10	16	40	78
Edmonton	48	9	6	23	40	42	66	164	242	686	1326
Foothills	3	0	0	2	3	3	2	7	8	45	73
Fort McMurray	4	0	1	2	7	1	1	2	3	2	23
High Level-Fort Vermilion	1	0	0	1	1	0	1	0	1	6	6
Jasper National Park	0	0	0	1	0	0	1	0	1	3	6
Leduc-Strathcona	8	1	1	4	4	7	12	14	27	105	193
Lethbridge	0	1	2	4	8	5	6	19	43	109	204
Medicine Hat	10	2	1	6	4	5	10	9	20	47	88
Minburn-Vermilion	4	2	0	3	1	1	3	13	21	47	104
Mount View	3	2	1	2	0	5	6	9	13	60	112
North Eastern Alberta	8	1	0	5	1	5	4	7	13	46	78
Peace River	3	0	0	1	2	2	4	29	58	119	262
Red Deer	14	2	4	9	6	7	14	6	24	56	120
South Peace/Grande Prairie	5	3	3	2	7	5	9	15	36	42	105
Stony Plain-Lac Ste. Anne	5	1	0	2	4	5	16	18	32	66	158
Sturgeon	6	0	2	2	5	7	9	7	19	81	117
Vegreville	2	0	4	0	1	1	2	9	20	66	111
Wetoka	5	0	1	3	1	1	5	9	20	66	111
Alberta	191	32	38	101	138	170	281	583	970	2682	5186

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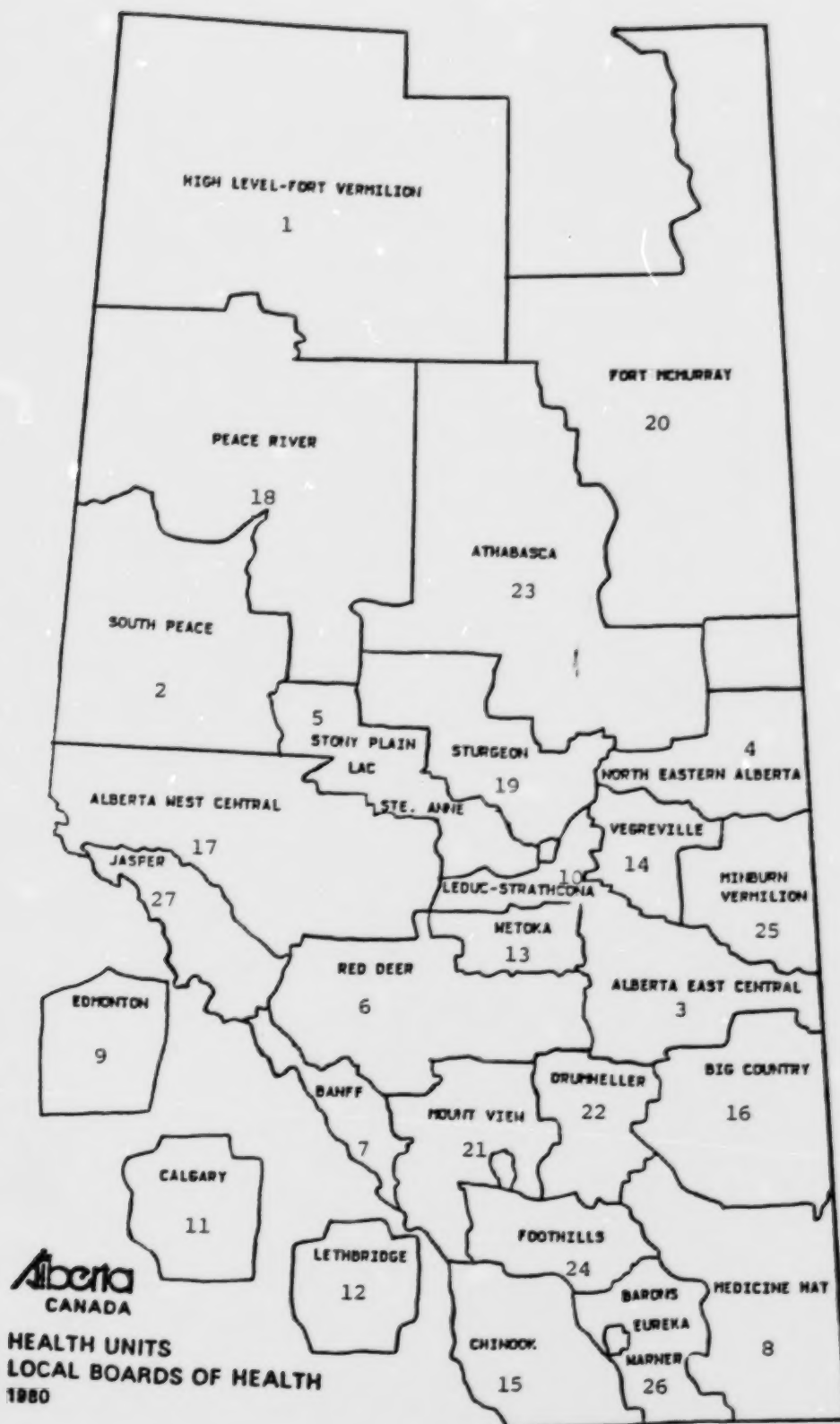
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984

ALL CAUSES

HEALTH UNIT	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	1124	54	48	46	168	214	341	589	1581	7266
Alberta West Central	215	0	29	28	80	121	469	584	2017	5541
Alberta North Central	997	171	34	41	0	241	253	619	1176	5418
Barons-Fureka-Warner	0	1075	0	0	0	0	0	1227	2778	4348
Big Country	226	0	0	64	32	126	114	535	1309	6234
Calgary	867	33	0	102	106	146	338	758	262	7453
Chinook	217	0	0	31	40	112	261	734	1762	6690
Drumheller	639	0	0	0	62	86	163	808	1776	6532
Edmonton	998	55	18	39	72	103	334	622	1423	5706
Foothills	1099	0	0	82	70	122	249	735	1647	6599
Fort McMurray	858	0	0	58	103	135	137	499	777	6466
High Level-Fort Vermilion	532	0	0	89	164	48	136	578	3093	3846
Jasper National Park	0	0	0	0	0	0	0	0	0	8000
Leduc-Strathcona	799	24	10	227	0	0	599	966	1754	5769
Lethbridge	0	59	53	55	36	85	306	0	1316	5769
Medicine Hat	1284	75	17	76	157	147	219	674	1866	6918
Minburn-Vermilion	1194	0	0	89	159	112	310	690	1347	5949
Mount View	440	85	0	98	33	49	186	567	1618	6650
North Eastern Alberta	1695	56	20	42	0	119	367	640	1482	5176
Peace River	743	0	0	132	28	180	335	517	1590	5882
Red Deer	1257	51	47	84	57	80	233	527	1425	7566
South Peace/Grande Prairie	765	121	60	36	123	100	304	686	2008	6087
Stony Plain-Lac Ste. Anne	709	37	0	40	59	143	408	347	2365	7161
Sturgeon	636	0	24	29	53	113	390	852	2155	6062
Vegreville	763	0	175	0	44	102	421	686	2037	5172
Wetoka	1315	0	32	97	31	42	273	493	1349	7744
Alberta	864	41	22	47	60	114	275	677	1672	6542

AGE-STANDARDIZED DEATH RATES (PER 1,000 FEMALES), 1984
ALL CAUSES

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	513	441	585	3	1.15	YES
Alberta West Central	428	312	543	17	0.96	.
Athabasca	394	286	501	23	0.88	.
Banff National Park	458	155	760	7	1.02	.
Barons-Eureka-Warner	375	293	457	26	0.84	.
Big Country	439	292	585	16	0.98	.
Calgary	453	428	477	11	1.01	.
Chinook	440	361	518	15	0.98	.
Drumheller	395	306	483	22	0.88	.
Edmonton	456	431	480	9	1.02	.
Foot Hills	392	301	482	24	0.88	.
Fort McMurray	417	149	685	20	0.93	.
High Level-Fort Vermilion	519	232	806	1	1.16	.
Jasper National Park	366	69	662	27	0.82	.
Leduc-Strathcona	454	377	530	10	1.01	.
Lethbridge	448	383	514	12	1.00	.
Medicine Hat	457	394	520	8	1.02	.
Minburn-Vermilion	377	297	457	25	0.84	.
Mount View	403	325	481	21	0.90	.
North Eastern Alberta	510	415	605	4	1.14	.
Peace River	420	326	513	18	0.94	.
Red Deer	469	412	526	6	1.05	.
South Peace/Grande Prairie	516	422	609	2	1.15	.
Stony Plain-Lac Ste. Anne	485	390	579	5	1.08	.
Sturgeon	418	353	484	19	0.93	.
Vegreville	441	358	524	14	0.98	.
Wetoka	445	361	529	13	0.99	.
Alberta	448	436	460			



ALL CAUSES, FEMALES, 1984

NUMBER OF DEATHS, 1984
FEMALES
ALL CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	1	0	0	3	4	3	12	9	15	47
Alberta West Central	0	0	0	0	1	3	2	3	5	2	17
Alberta North Central	0	0	0	0	0	1	2	1	2	3	8
Barons-Lureka-Warner	0	0	0	0	0	0	0	1	1	0	2
Big Country	0	0	0	0	0	0	0	0	0	0	0
Calgary	0	2	2	2	9	25	37	69	95	104	345
Chinook	0	0	0	0	0	1	1	6	6	13	27
Drumheller	0	2	0	0	1	2	1	4	5	5	19
Edmonton	0	0	2	1	8	12	36	71	90	118	340
Foothills	0	0	0	0	0	0	0	2	2	0	4
Fort McMurray	0	0	0	0	1	0	1	0	1	0	1
High Level-Fort Vermilion	0	0	0	0	0	0	1	2	1	0	4
Jasper National Park	0	0	0	0	0	0	1	0	0	0	1
Leduc-Strathcona	0	0	0	0	0	2	10	6	10	11	41
Lethbridge	0	0	0	0	0	3	1	10	17	12	43
Medicine Hat	0	0	0	2	2	3	4	14	13	14	51
Minburn-Vermilion	1	0	0	1	0	2	3	3	4	9	21
Mount View	0	0	0	0	0	2	3	6	6	4	26
North Eastern Alberta	0	0	0	0	0	1	3	6	2	8	21
Peace River	0	0	0	0	0	1	1	1	3	6	12
Red Deer	0	1	2	2	2	3	4	10	15	15	53
South Peace/Grande Prairie	0	0	0	0	0	3	5	3	6	11	30
Stony Plain-Lac Ste. Anne	0	0	0	0	2	3	5	6	10	8	35
Sturgeon	0	0	0	0	1	3	2	8	15	11	43
Vegreville	0	0	2	0	0	3	5	4	4	16	29
Wetoka	0	0	0	0	0	1	1	4	6	14	26
Alberta	1	6	8	13	31	74	136	255	331	422	1277

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984
ALL CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	54	0	0	72	122	114	416	395	893
Alberta West Central	0	0	0	0	27	121	134	292	840	792
Alberta North Central	0	0	0	0	0	60	169	103	294	792
Banff National Park	0	0	0	0	0	0	0	613	926	451
Barons-Eureka-Warner	0	0	0	0	0	42	57	178	436	779
Big Country	0	0	0	32	0	0	0	0	0	932
Calgary	0	0	5	0	13	61	132	321	686	1028
Chinook	0	11	0	0	0	43	54	303	410	1196
Drumheller	0	0	0	0	0	103	67	249	445	856
Edmonton	0	12	6	2	14	35	136	318	612	1135
Foothills	0	0	0	0	0	0	0	143	97	1149
Fort McMurray	0	0	0	0	29	0	136	0	2062	0
High Level-Fort Vermilion	0	0	0	0	0	0	299	966	877	0
Jasper National Park	0	0	0	0	0	0	599	0	0	0
Leduc-Strathcona	0	0	0	0	28	0	255	237	691	1153
Lethbridge	0	0	0	0	0	24	36	355	722	680
Medicine Hat	0	0	0	0	30	88	124	403	531	544
Minburn-Vermilion	299	0	0	0	29	45	186	189	324	991
Mount View	0	0	0	0	0	47	183	295	282	1126
North Eastern Alberta	0	0	0	26	0	36	167	384	187	1009
Peace River	0	0	0	0	0	40	58	75	329	908
Red Deer	0	0	24	0	19	43	87	236	519	767
South Peace/Grande Prairie	0	40	0	0	0	86	227	174	591	1407
Sturgeon	0	0	0	0	18	68	260	341	979	1231
Stony Plain-Lac Ste. Anne	0	0	0	0	30	44	132	305	849	862
Vegreville	0	0	88	0	11	58	135	231	284	1504
Wetoka	0	0	0	0	0	42	55	219	434	1504
Alberta	5	8	5	6	13	50	133	296	571	1029

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1984
ALL CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	126	89	164	4	1.15	.
Alberta West Central	125	64	185	5	1.14	.
Athabasca	61	19	104	24	0.55	.
Banff National Park	92	-36	220	21	0.84	.
Barons-Eureka-Warner	79	41	117	22	0.72	.
Big Country	33	-4	70	27	0.30	.
Calgary	119	106	131	8	1.08	.
Chinook	96	59	132	18	0.87	.
Drumheller	98	53	142	15	0.89	.
Edmonton	116	104	128	10	1.05	.
Foothills	56	23	89	25	0.51	.
Fort McMurray	125	-20	271	6	1.14	.
High Level-Fort Vermilion	142	1	284	2	1.29	.
Jasper National Park	53	-51	157	26	0.48	.
Leduc-Strathcona	124	85	163	7	1.13	.
Lethbridge	101	70	132	14	0.92	.
Medicine Hat	115	83	147	11	1.05	.
Minburn-Vermilion	94	53	134	20	0.85	.
Mount View	98	60	137	16	0.89	.
North Eastern Alberta	98	56	140	17	0.89	.
Peace River	65	28	101	23	0.59	.
Red Deer	95	69	120	19	0.86	.
South Peace/Grande Prairie	130	83	176	3	1.18	.
Sturgeon	115	103	208	1	1.42	YES
Stony Plain-Lac Ste. Anne	115	81	150	12	1.05	.
Vegreville	118	73	163	9	1.07	.
Wetoka	102	62	141	13	0.93	.
Alberta	110	104	116			



ALL CANCER, FEMALES, 1984

NUMBER OF DEATHS, 1984
FEMALES
COLON CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	1	1	2	2	6
Alberta West Central	0	0	0	0	0	0	0	0	0	0	1
Albapasca	0	0	0	0	0	0	0	0	0	1	1
Banff National Park	0	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	0	0
Big Country	0	0	0	0	0	0	0	0	0	1	1
Calgary	0	0	0	0	0	0	0	0	0	0	0
Chinook	0	0	0	0	0	1	4	8	15	20	48
Drumheller	0	0	0	0	0	0	0	0	0	1	1
Edmonton	0	0	0	0	0	0	4	6	11	15	38
Foot Hills	0	0	0	0	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	1	1	2	2	6
Lethbridge	0	0	0	0	0	0	0	0	4	4	9
Medicine Hat	0	0	0	0	0	0	0	0	3	3	7
Minburn-Vermilion	0	0	0	0	0	0	0	1	1	0	2
Mount View	0	0	0	0	0	0	0	0	0	1	1
North Eastern Alberta	0	0	0	0	0	0	0	0	1	1	2
Peace River	0	0	0	0	0	1	0	0	1	1	3
Red Deer	0	0	0	0	0	0	1	0	1	1	3
South Peace/Grande Prairie	0	0	0	0	0	0	1	0	1	2	4
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	0	0	3	3
Sturgeon	0	0	0	0	0	0	0	1	0	1	2
Vegreville	0	0	0	0	0	0	0	0	0	1	1
Wetoka	0	0	0	0	0	0	1	1	3	3	5
Alberta	0	0	0	0	0	4	14	24	47	68	157

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984
COLON CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	38	35	88	119
Alberta West Central	0	0	0	0	0	0	67	0	0	0
Athabasca	0	0	0	0	0	0	0	0	0	226
Banff National Park	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	87	130
Big Country	0	0	0	0	0	0	0	0	0	311
Calgary	0	0	0	0	0	2	14	37	108	198
Chinook	0	0	0	0	0	0	0	0	0	92
Drumheller	0	0	0	0	0	0	0	62	0	0
Edmonton	0	0	0	0	0	6	15	27	75	144
Foothills	0	0	0	0	0	0	0	0	0	287
Fort McMurray	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	0	0	25	39	138	210
Medicine Hat	0	0	0	0	0	0	0	106	170	113
Minburn-Vermilion	0	0	0	0	0	0	0	29	122	183
Mount View	0	0	0	0	0	0	0	63	71	250
North Eastern Alberta	0	0	0	0	0	0	0	0	94	252
Peace River	0	0	0	0	0	40	0	0	110	151
Red Deer	0	0	0	0	0	0	22	0	35	102
South Peace/Grande Prairie	0	0	0	0	0	0	45	0	99	384
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	57	0	308
Sturgeon	0	0	0	0	0	0	0	0	0	78
Vegreville	0	0	0	0	0	0	0	0	0	287
Wetoka	0	0	0	0	0	0	55	58	71	215
Alberta	0	0	0	0	0	3	14	28	81	166

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1984
COLON CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	15	3	26	8	1.07	.
Alberta West Central	6	-6	18	19	0.43	.
Altabasca	8	-8	24	17	0.57	.
Banff National Park	0	0	0	24	0.00	.
Barons-Eureka-Warner	9	-3	21	16	0.64	.
Big Country	11	-11	33	14	0.79	.
Calgary	17	12	22	6	1.21	.
Chinook	3	-3	10	22	0.21	.
Drumheller	5	-4	14	20	0.36	.
Edmonton	13	9	17	12	0.93	.
Foothills	10	-4	24	15	0.71	.
Fort McMurray	0	0	0	25	0.00	.
High Level-Fort Vermilion	0	0	0	26	0.00	.
Jasper National Park	0	0	0	27	0.00	.
Leduc-Strathcona	20	4	35	3	1.43	.
Lethbridge	20	4	34	4	1.07	.
Medicine Hat	15	7	26	9	1.43	.
Minburn-Vermilion	5	-5	14	21	0.36	.
Mount View	12	-2	27	13	1.00	.
North Eastern Alberta	14	-2	29	11	1.14	.
Peace River	16	-2	34	7	1.14	.
Red Deer	7	0	14	18	0.50	.
South Peace/Grande Prairie	23	3	42	1	1.64	.
Stony Plain-Lac Ste. Anne	15	-2	32	10	1.07	.
Sturgeon	3	-3	8	23	0.21	.
Vegreville	18	-2	34	5	1.29	.
Wetoka	23	5	42	2	1.64	.
Alberta	14	11	16			



COLON CANCER, FEMALES, 1984

4.14

NUMBER OF DEATHS, 1984
FEMALES
LUNG CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	0	3	0	0	3
Alberta West Central	0	0	0	0	0	0	0	1	2	0	3
Althabasca	0	0	0	0	0	0	0	0	1	1	2
Banff National Park	0	0	0	0	0	0	0	0	1	0	1
Barons-Eureka-Warner	0	0	0	0	0	0	1	1	2	1	5
Big Country	0	0	0	0	0	0	0	0	0	1	1
Calgary	0	0	0	0	0	2	6	12	16	13	49
Chinook	0	0	0	0	0	0	0	0	0	1	1
Drumheller	0	0	0	0	0	0	0	3	1	0	4
Edmonton	0	0	0	0	0	2	5	19	20	15	61
Foothills	0	0	0	0	0	0	0	0	0	1	1
Fort McMurray	0	0	0	0	0	0	0	0	0	0	0
High Level-fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	1	0	0	0	1
Leduc-Strathcona	0	0	0	0	0	0	1	1	2	1	5
Lethbridge	0	0	0	0	0	0	0	1	0	4	5
Medicine Hat	0	0	0	0	0	0	0	1	2	3	6
Minburn-Vermilion	0	0	0	0	0	0	1	1	0	1	3
Mount View	0	0	0	0	0	0	3	2	0	1	6
North Eastern Alberta	0	0	0	0	0	1	0	1	0	0	2
Peace River	0	0	0	0	0	1	2	1	1	0	5
Red Deer	0	0	0	0	0	0	0	1	0	1	2
South Peace/Grande Prairie	0	0	0	0	0	0	0	1	0	1	2
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	2	4	3	1	10
Sturgeon	0	0	0	0	0	1	1	1	2	1	6
Vegreville	0	0	0	0	0	0	0	1	0	0	1
Wetoka	0	0	0	0	0	0	0	1	0	2	3
Alberta	0	0	0	0	0	7	24	58	55	49	193

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984
LUNG CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	0	104	0	0
Alberta West Central	0	0	0	0	0	0	0	97	336	0
Albapasca	0	0	0	0	0	0	0	0	147	0
Banff National Park	0	0	0	0	0	0	0	0	926	226
Barons-Lureka-Warner	0	0	0	0	0	0	57	59	175	0
Big Country	0	0	0	0	0	0	0	0	0	130
Calgary	0	0	0	0	0	5	21	56	116	128
Chinook	0	0	0	0	0	0	0	0	0	92
Drumheller	0	0	0	0	0	0	0	0	89	0
Edmonton	0	0	0	0	0	6	19	187	0	0
Foothills	0	0	0	0	0	0	0	85	136	144
Fort McMurray	0	0	0	0	0	0	0	0	0	144
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	599	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	25	39	0	105
Lethbridge	0	0	0	0	0	0	0	35	85	227
Medicine Hat	0	0	0	0	0	0	31	115	82	183
Minburn-Vermilion	0	0	0	0	0	0	62	63	0	110
Mount View	0	0	0	0	0	0	110	49	141	125
North Eastern Alberta	0	0	0	0	0	36	0	128	0	0
Peace River	0	0	0	0	0	0	0	0	110	151
Red Deer	0	0	0	0	0	14	43	24	0	0
South Peace/Grande Prairie	0	0	0	0	0	0	0	58	0	128
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	87	227	294	154
Sturgeon	0	0	0	0	0	15	26	38	113	78
Vegreville	0	0	0	0	0	0	0	58	0	0
Wetoka	0	0	0	0	0	0	0	55	0	215
Alberta	0	0	0	0	0	5	23	67	95	120

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1984
LUNG CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	8	-1	16	21	0.47	.
Alberta West Central	24	-3	51	5	1.41	.
Athabasca	15	-6	37	11	0.88	.
Banff National Park	46	-45	137	2	2.71	.
Barons-Eureka-Warner	23	3	43	6	1.35	.
Big Country	11	-11	33	17	0.65	.
Calgary	17	12	22	10	1.00	.
Chinook	3	-3	10	25	0.18	.
Drumheller	18	0	36	9	1.06	.
Edmonton	21	15	26	8	1.24	.
Foothills	5	-5	15	23	0.29	.
Fort McMurray	0	0	0	26	0.00	.
High Level-Fort Vermilion	53	-51	157	27	0.00	.
Jasper National Park	9	-1	19	19	3.12	.
Leduc-Strathcona	15	4	26	12	0.53	.
Lethbridge	22	8	35	7	0.88	.
Medicine Hat	14	-2	30	14	1.29	.
Minburn-Vermilion	25	6	43	4	0.82	.
Mount View	11	-2	30	15	1.47	.
North Eastern Alberta	14	-4	26	18	0.82	.
Peace River	7	0	15	22	0.65	.
Red Deer	9	-3	21	20	0.41	.
South Peace/Grande Prairie	45	17	73	3	2.65	YES
Stony Plain-Lac Ste. Anne	15	3	28	13	0.88	.
Sturgeon	4	-4	13	24	0.24	.
Vegreville	12	-2	25	16	0.71	.
Wetoka						.
Alberta	17	14	19			.



LUNG CANCER, FEMALES, 1984

NUMBER OF DEATHS, 1984
FEMALES
DIABETES

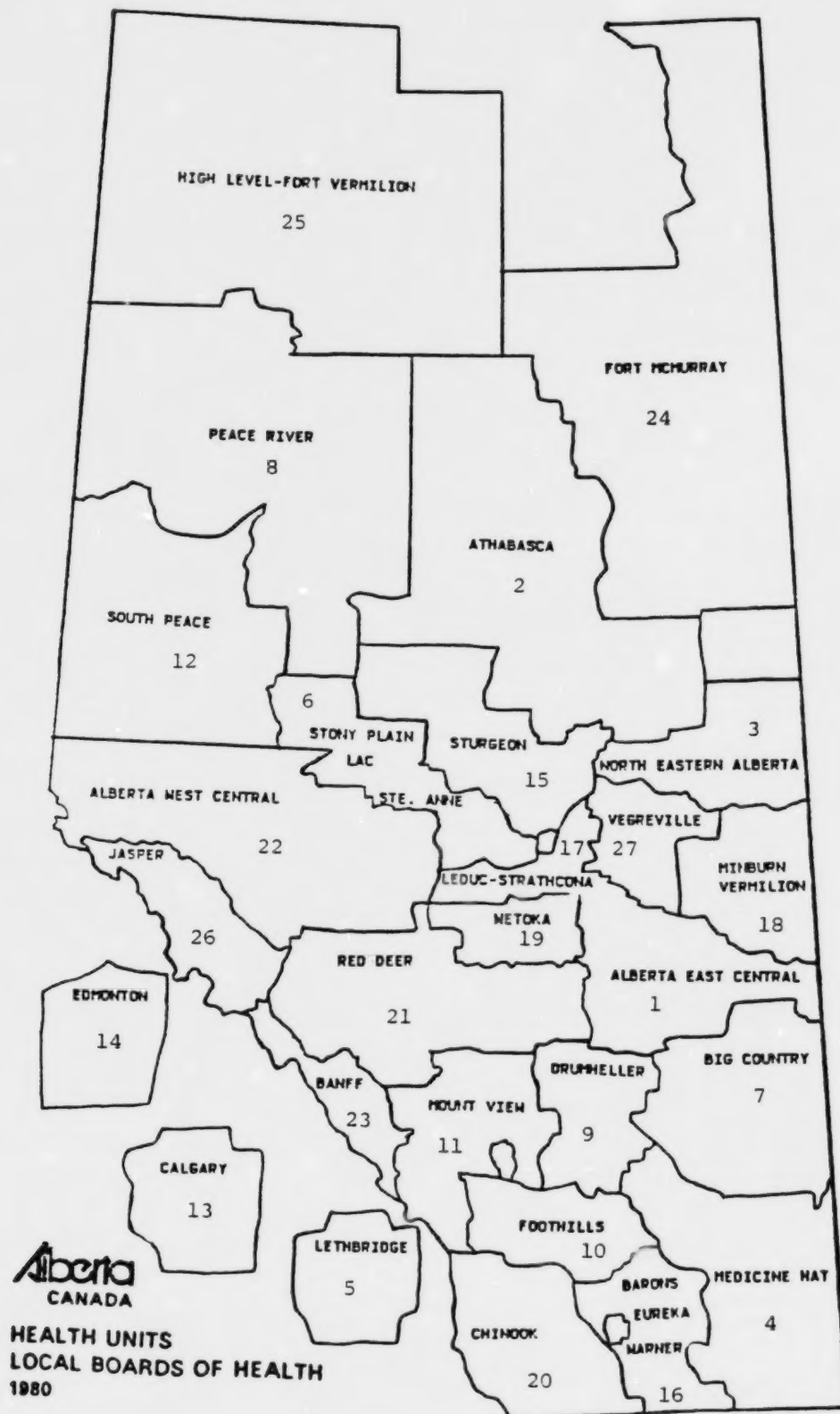
HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	0	0	1	12	13
Alberta West Central	0	0	0	0	0	0	0	0	0	0	0
Albansca	0	0	0	0	0	0	0	0	2	1	3
Banff National Park	0	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	1	1
Big Country	0	0	0	0	0	0	0	0	0	1	1
Calgary	0	0	0	0	1	0	0	3	3	16	23
Chinook	0	0	0	0	0	0	0	0	0	1	1
Drumheller	0	0	0	0	0	0	0	0	0	1	1
Edmonton	0	0	0	0	0	0	0	0	2	17	22
foothills	0	0	0	0	0	0	0	1	1	3	6
fort McMurray	0	0	0	0	0	0	0	0	0	0	0
High Level-fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	0	0	0	1	1
Lethbridge	0	0	0	0	1	0	0	1	1	4	6
Medicine Hat	0	0	0	0	0	0	1	0	1	1	3
Minburn-Vermilion	0	0	0	0	0	0	0	0	0	0	0
Mount View	0	0	0	0	0	0	0	0	0	1	1
North Eastern Alberta	0	0	0	0	0	0	0	0	0	2	2
Peace River	0	0	0	0	0	0	0	0	0	1	1
Red Deer	0	0	0	0	0	0	0	0	0	1	1
South Peace/Grande Prairie	0	0	0	0	0	0	0	1	1	1	2
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	0	2	1	3
Sturgeon	0	0	0	0	0	0	0	0	0	1	1
Vegreville	0	0	0	0	0	0	0	1	0	0	1
Wetoka	0	0	0	0	0	0	0	0	0	0	0
Alberta	0	0	0	0	2	0	1	10	19	71	103

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984
DIABETES

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	0	0	44	715
Alberta West Central	0	0	0	0	0	0	0	0	0	0
Athabasca	0	0	0	0	0	0	0	0	294	226
Banff National Park	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	130
Big Country	0	0	0	0	0	0	0	0	0	311
Calgary	0	0	0	0	1	0	0	0	22	158
Chinook	0	0	0	0	0	0	0	0	0	92
Drumheller	0	0	0	0	0	0	0	0	89	143
Edmonton	0	0	0	0	0	0	0	9	20	164
Foothills	0	0	0	0	0	0	0	71	97	0
Fort McMurray	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	0	0	0	105
Lethbridge	0	0	0	0	20	0	0	35	0	227
Medicine Hat	0	0	0	0	0	0	31	29	41	366
Minburn-Vermilion	0	0	0	0	0	0	0	0	81	0
Mount View	0	0	0	0	0	0	0	0	0	250
North Eastern Alberta	0	0	0	0	0	0	0	0	281	252
Peace River	0	0	0	0	0	0	0	0	110	151
Red Deer	0	0	0	0	0	0	0	0	0	51
South Peace/Grande Prairie	0	0	0	0	0	0	0	58	0	128
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	0	196	154
Sturgeon	0	0	0	0	0	0	0	38	0	78
Vegreville	0	0	0	0	0	0	0	0	0	0
Wetoka	0	0	0	0	0	0	0	0	0	107
Alberta	0	0	0	0	1	0	1	12	33	173

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1984
DIABETES

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	28	13	42	1	3.11	YES
Alberta West Central	0	0	0	22	0.00	.
Athabasca	23	-3	48	2	2.56	.
Banff National Park	0	0	0	23	0.00	.
Barons-Eureka-Warner	5	-4	14	16	0.56	.
Big Country	11	-11	33	7	1.22	.
Calgary	8	5	11	13	0.89	.
Chinook	3	-3	10	20	0.33	.
Drumheller	10	-4	23	9	1.11	.
Edmonton	7	-4	11	14	0.78	.
Foothills	10	-4	24	10	1.11	.
Fort McMurray	0	0	0	24	0.00	.
High Level-Fort Vermilion	0	0	0	25	0.00	.
Jasper National Park	0	0	0	26	0.00	.
Leduc-Strathcona	4	-4	0	17	0.44	.
Lethbridge	15	2	11	5	1.67	.
Medicine Hat	20	7	27	4	2.22	.
Minburn-Vermilion	4	-4	12	18	0.44	.
Mount View	9	-3	21	11	1.00	.
North Eastern Alberta	23	3	43	3	2.56	.
Peace River	11	-4	26	8	1.22	.
Red Deer	2	-2	5	21	0.22	.
South Peace/Grande Prairie	9	-3	21	12	1.00	.
Stony Plain-Lac Ste. Anne	15	-2	33	6	1.67	.
Sturgeon	6	-2	13	15	0.67	.
Vegreville	0	0	0	27	0.00	.
Wetoka	4	-4	11	19	0.44	.
Alberta	9	7	11			



DIABETES, FEMALES, 1984

NUMBER OF DEATHS, 1984
FEMALES
ISCHEMIC HEART DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	1	1	9	26	37
Alberta West Central	0	0	0	0	0	0	0	2	4	7	13
Athabasca	0	0	0	0	0	0	0	1	2	7	10
Banff National Park	0	0	0	0	0	0	0	1	0	0	1
Barons-Eureka-Warner	0	0	0	0	0	0	0	2	5	18	25
Big Country	0	0	0	0	0	0	0	2	0	8	10
Calgary	0	0	0	0	0	0	8	32	47	179	266
Chinook	0	0	0	0	0	0	0	6	4	21	31
Drumheller	0	0	0	0	0	0	1	2	3	6	12
Edmonton	0	0	0	0	0	2	2	22	54	171	251
Foothills	0	0	0	0	1	1	0	0	2	12	16
Fort McMurray	0	0	0	0	0	0	0	0	1	1	3
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	1	3	4
Jasper National Park	0	0	0	0	0	0	0	0	1	1	1
Leduc-Strathcona	0	0	0	0	0	0	0	1	6	24	31
Lethbridge	0	0	0	0	0	1	1	1	10	35	48
Medicine Hat	0	0	1	0	0	0	0	4	8	38	51
Minburn-Vermilion	0	0	0	0	0	0	0	3	10	14	27
Mount View	0	0	0	0	0	1	1	2	4	13	21
North Eastern Alberta	0	0	0	0	0	0	2	1	6	20	29
Peace River	0	0	0	0	0	0	0	2	2	16	20
Red Deer	0	0	0	0	0	1	4	1	19	27	53
South Peace/Grande Prairie	0	0	0	0	0	0	1	1	6	21	29
Stony Plain-Lac Ste. Anne	0	0	0	0	0	1	1	1	3	15	21
Sturgeon	0	0	0	0	0	1	1	1	8	19	30
Vegreville	0	0	0	0	0	0	0	1	8	26	35
Wetoka	0	0	0	0	0	0	1	3	7	16	27
Alberta	0	0	1	0	1	9	24	94	230	743	1102

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984
ISCHEMIC HEART DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	38	35	395	1549
Alberta West Central	0	0	0	0	0	0	0	195	672	1847
Athabasca	0	0	0	0	0	0	0	193	294	1580
Banff National Park	0	0	0	0	0	0	0	613	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	119	436	2338
Big Country	0	0	0	0	0	0	0	303	0	2484
Calgary	0	0	0	0	0	0	29	149	339	1769
Chinook	0	0	0	0	0	0	0	303	273	1932
Drumheller	0	0	0	0	0	0	67	124	267	856
Edmonton	0	0	0	0	0	6	8	99	367	1645
Foothills	0	0	0	0	34	45	0	0	194	1724
Fort McMurray	0	0	0	0	0	48	0	0	1031	1923
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	877	4000
Jasper National Park	0	0	0	0	0	0	0	0	1316	0
Leduc-Strathcona	0	0	0	0	0	0	0	0	415	2516
Lethbridge	0	0	0	0	0	29	36	39	425	1983
Medicine Hat	0	0	17	0	0	0	0	0	327	2318
Minburn-Vermilion	0	0	0	0	0	0	0	115	809	1542
Mount View	0	0	0	0	0	24	37	93	282	1627
North Eastern Alberta	0	0	0	0	0	0	112	64	561	2522
Peace River	0	0	0	0	0	0	0	150	219	2421
Red Deer	0	0	0	0	0	14	87	47	658	1381
South Peace/Grande Prairie	0	0	0	0	0	0	45	58	591	2685
Stony Plain-Lac Ste. Anne	0	0	0	0	0	23	43	57	294	2308
Sturgeon	0	0	0	0	0	15	26	38	453	1489
Vegreville	0	0	0	0	0	0	0	58	566	2486
Wetoka	0	0	0	0	0	0	55	164	50	1719
Alberta	0	0	1	0	0	6	23	109	397	1812

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1984
ISCHEMIC HEART DISEASE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	81	55	107	23	0.85	.
Alberta West Central	114	52	176	6	1.20	.
Athabasca	78	30	127	24	0.82	.
Banff National Park	46	-44	135	27	0.48	.
Barons-Eureka-Warner	114	69	158	7	1.20	.
Big Country	111	42	179	9	1.17	.
Calgary	93	82	104	18	0.98	.
Chinook	105	68	142	14	1.11	.
Drumheller	59	25	92	26	0.62	.
Edmonton	85	75	96	19	0.89	.
Foot Hills	84	42	125	21	0.88	.
Fort McMurray	126	-42	204	4	1.33	.
High Level-Fort Vermilion	186	4	368	1	1.96	.
Jasper National Park	66	-63	195	25	0.69	.
Leduc-Strathcona	113	73	153	8	1.19	.
Lethbridge	101	72	130	16	1.06	.
Medicine Hat	110	80	140	10	1.15	.
Minburn-Vermilion	109	68	151	11	1.16	.
Mount View	85	49	122	20	0.89	.
North Eastern Alberta	132	84	180	3	1.39	.
Peace River	108	61	155	12	1.14	.
Red Deer	95	69	121	17	1.00	.
South Peace/Grande Prairie	133	85	182	2	1.40	.
Stony Plain-Lac Ste. Anne	107	61	154	13	1.13	.
Sturgeon	82	53	112	22	0.86	.
Vegreville	121	81	161	5	1.27	.
Wetoka	103	64	142	15	1.08	.
Alberta	95	90	101			



ISCHEMIC HEART DISEASE, FEMALES, 1984

NUMBER OF DEATHS, 1984
FEMALES
CEREBROVASCULAR DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	1	0	1	0	5	21	28
Alberta West Central	0	0	0	0	0	0	1	0	1	3	5
Albion	0	0	0	0	0	1	1	0	1	1	4
Banff National Park	0	0	0	0	0	1	0	0	0	1	1
Barons-Lureka-Warner	0	0	0	0	0	1	1	0	1	6	9
Big Country	0	0	0	0	0	0	1	0	1	1	3
Calgary	0	0	0	0	1	1	2	15	12	107	138
Chinook	0	0	0	0	0	0	1	1	6	12	20
Drumheller	0	0	0	0	0	2	2	7	21	10	35
Edmonton	0	0	1	0	1	0	0	0	3	101	105
Foothills	0	0	0	0	0	0	0	0	0	6	6
Fort McMurray	0	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	2	2
Leduc-Strathcona	0	0	0	0	1	0	1	0	2	6	10
Lethbridge	0	0	0	0	1	1	0	1	5	16	24
Medicine Hat	0	0	0	0	0	0	0	0	1	18	19
Minburn-Vermilion	0	0	0	0	0	0	0	0	1	7	8
Mount View	0	0	0	0	0	0	0	1	3	9	13
North Eastern Alberta	0	0	0	0	0	0	0	0	0	10	10
Peace River	0	0	0	0	0	0	1	0	0	3	4
Red Deer	0	0	0	0	0	0	0	2	5	25	32
South Peace/Grande Prairie	0	0	0	0	0	1	1	1	3	10	15
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	1	0	3	4
Sturgeon	0	0	0	0	0	0	1	0	3	2	6
Vegreville	0	0	0	0	1	0	0	0	2	11	14
Wetoka	0	0	0	0	0	0	0	1	2	11	14
Alberta	0	0	1	0	6	7	14	29	83	399	539

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984
CEREBROVASCULAR DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	24	0	38	0	220	1251
Alberta West Central	0	0	0	0	0	0	67	0	168	792
Athabasca	0	0	0	0	0	60	84	0	147	226
Banff National Park	0	0	0	0	0	0	0	0	0	1449
Barons-Eureka-Warner	0	0	0	0	0	42	57	0	87	779
Big Country	0	0	0	0	0	0	169	0	262	311
Calgary	0	0	0	0	1	2	54	70	87	1057
Chinook	0	0	0	0	0	0	0	50	410	1104
Drumheller	0	0	0	0	0	0	0	0	178	1427
Edmonton	0	0	3	0	2	6	8	31	143	972
Foothills	0	0	0	0	0	0	0	0	291	862
Fort McMurray	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	3846
Leduc-Strathcona	0	0	0	0	9	0	25	0	138	629
Lethbridge	0	0	0	0	20	29	0	35	212	907
Medicine Hat	0	0	0	0	0	0	0	0	163	1098
Minburn-Vermilion	0	0	0	0	0	0	0	0	81	771
Mount View	0	0	0	0	0	0	0	49	212	1126
North Eastern Alberta	0	0	0	0	0	0	0	0	0	1261
Peace River	0	0	0	0	0	0	58	0	0	464
Red Deer	0	0	0	0	0	0	0	47	173	1279
South Peace/Grande Prairie	0	0	0	0	0	29	45	0	296	1279
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	57	0	462
Sturgeon	0	0	0	0	0	0	26	0	170	157
Vegreville	0	0	0	0	44	0	0	0	142	765
Wetoka	0	0	0	0	0	0	0	55	145	1182
Alberta	0	0	1	0	3	5	14	34	143	973

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1984
CEREBROVASCULAR DISEASE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	63	39	88	4	1.34	.
Alberta West Central	42	5	80	17	0.89	.
Athabasca	31	1	61	21	0.66	.
Barff National Park	51	-49	152	10	1.09	.
Barons-Eureka-Warner	42	15	70	18	0.89	.
Big Country	39	-5	84	19	0.83	.
Caigary	48	40	56	11	1.02	.
Chinook	68	38	98	2	1.45	.
Drumheller	59	26	93	5	1.26	.
Edmonton	46	38	54	13	0.98	.
Foot Hills	45	16	75	14	0.96	.
Fort McMurray	0	0	0	26	0.00	.
High Level-Fort Vermilion	0	0	0	27	0.00	.
Jasper National Park	136	-53	325	1	2.89	.
Leduc-Strathcona	33	12	54	20	0.70	.
Lethbridge	53	31	75	8	1.13	.
Medicine Hat	47	27	67	12	1.00	.
Minburn-Vermilion	31	10	53	22	0.66	.
Mount View	54	25	84	7	1.15	.
North Eastern Alberta	45	17	72	15	0.96	.
Peace River	21	0	42	23	0.45	.
Red Deer	58	38	77	6	1.23	.
South Peace/Grande Prairie	21	3	102	3	1.45	.
Stony Plain-Lac Ste. Anne	16	3	41	24	0.34	.
Sturgeon	43	16	70	16	0.91	.
Vegreville	53	25	81	9	1.13	.
Metoka						.
Alberta	47	43	51			.



NUMBER OF DEATHS, 1984
FEMALES
PNEUMONIA

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	0	0	2	10	12
Alberta West Central	0	0	0	0	0	0	0	0	1	3	4
Alberta North Central	0	0	0	0	0	0	0	0	0	1	1
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	1	1	2
Big Country	0	0	0	0	0	0	0	0	0	2	2
Calgary	1	0	0	0	0	0	0	0	5	23	32
Chinook	0	0	0	0	0	0	0	3	1	4	5
Drumheller	0	1	0	0	0	0	0	0	1	0	0
Edmonton	1	1	1	0	1	2	0	2	8	42	58
Foot Hills	1	0	0	0	0	0	0	0	0	4	5
Fort McMurray	0	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	1	1
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	0	0	1	0	1
Lethbridge	0	0	0	0	0	0	0	0	2	3	5
Medicine Hat	1	0	0	0	0	0	0	1	0	4	6
Minburn-Vermilion	0	0	0	0	0	0	0	0	0	2	2
Mount View	0	0	0	0	0	0	0	0	0	4	4
North Eastern Alberta	1	0	0	1	0	0	0	0	0	2	3
Peace River	0	0	0	0	0	0	0	0	0	0	0
Red Deer	0	0	0	0	0	0	0	3	2	10	15
South Peace/Grande Prairie	0	0	0	0	0	0	0	0	0	1	1
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	0	0	3	3
Sturgeon	0	0	0	0	0	0	0	0	0	3	3
Vegreville	0	0	0	0	0	0	0	0	0	3	3
Wetoka	0	0	0	0	0	0	0	0	1	12	13
Alberta	5	1	1	1	1	2	0	9	24	148	192

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984
PNEUMONIA

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	0	0	88	596
Alberta West Central	0	0	0	0	0	0	0	0	168	792
Athabasca	0	0	0	0	0	0	0	0	0	226
Banff National Park	0	0	0	0	0	0	0	0	926	1449
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	260
Big Country	0	0	0	0	0	0	0	0	0	932
Calgary	18	0	0	0	0	0	0	14	36	227
Chinook	0	0	0	0	0	0	0	0	68	368
Drumheller	0	0	0	0	0	0	0	0	0	0
Edmonton	21	6	3	0	2	6	0	9	54	404
Foothills	366	0	0	0	0	0	0	0	0	575
Fort McMurray	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	1333
Jasper National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	0	0	69	314
Lethbridge	0	0	0	0	0	0	0	0	85	283
Medicine Hat	128	0	0	0	0	0	0	29	0	244
Minburn-Vermilion	0	0	0	0	0	0	0	0	0	220
Mount View	0	0	0	21	0	0	0	0	0	501
North Eastern Alberta	212	0	0	0	0	0	0	0	0	252
Peace River	0	0	0	0	0	0	0	0	0	303
Red Deer	0	0	0	0	0	0	0	71	69	512
South Peace/Grande Prairie	0	0	0	0	0	0	0	0	0	128
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	0	0	462
Sturgeon	0	0	0	0	0	0	0	0	0	235
Vegreville	0	0	0	0	0	0	0	0	0	287
Wetoka	0	0	0	0	0	0	0	0	72	1289
Alberta	23	1	1	0	0	1	0	10	41	361

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1984
PNEUMONIA

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	26	11	40	8	1.53	.
Alberta West Central	36	1	72	4	2.12	.
Athabasca	8	-8	24	21	0.47	.
Banff National Park	98	-38	233	1	5.76	.
Barons-Eureka-Warner	9	-4	22	20	0.53	.
Big Country	33	-4	70	5	1.94	.
Calgary	11	7	15	17	0.65	.
Chinook	16	2	31	11	0.94	.
Drumheller	0	0	0	25	0.00	.
Edmonton	20	15	25	10	1.18	.
Foothills	27	3	52	6	1.59	.
Fort McMurray	0	0	0	26	0.00	.
High Level-fort Vermilion	47	-45	140	3	2.76	.
Jasper National Park	0	0	0	27	0.00	.
Leduc-Strathcona	15	0	29	13	0.88	.
Lethbridge	14	4	25	14	0.82	.
Medicine Hat	13	3	19	15	0.76	.
Mindurn-Vermilion	8	-3	41	22	0.47	.
Mount View	22	-2	28	9	1.29	.
North Eastern Alberta	13	-4	26	16	0.76	.
Peace River	11	-4	40	18	0.65	.
Red Deer	27	-4	35	7	1.59	.
South Peace/Grande Prairie	5	-2	13	24	0.29	.
Stony Plain-Lac Ste. Anne	16	-1	18	12	0.94	.
Sturgeon	8	-1	22	23	0.47	.
Vegreville	10	-1	22	19	0.59	.
Wetoka	49	22	76	2	2.88	YES
Alberta	17	14	19			



PNEUMONIA, FEMALES, 1984

NUMBER OF DEATHS, 1984
FEMALES
CHRONIC OBSTRUCTIVE LUNG DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	0	0	1	2	3
Alberta West Central	0	0	0	0	0	0	0	0	0	0	0
Albansca	0	0	0	0	0	0	0	0	0	2	2
Banff National Park	0	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	2	3
Big Country	0	0	0	0	0	0	0	0	0	0	0
Calgary	0	0	0	1	1	0	1	0	13	13	34
Chinook	0	0	0	0	0	0	0	0	0	2	3
Drumheller	0	0	0	0	0	0	1	0	1	2	3
Edmonton	0	0	0	0	0	1	0	0	5	3	4
Foot Hills	0	0	0	0	0	0	0	2	0	1	27
Fort McMurray	0	0	0	0	0	0	0	0	0	0	0
High Level-fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	1	1
Leduc-Strathcona	0	0	0	0	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	1	0	0	0	1	2	4
Medicine Hat	0	0	0	0	0	0	1	0	3	1	5
Minburn-Vermilion	0	0	0	0	0	0	0	0	0	1	1
Mount View	0	0	0	0	0	0	0	0	1	0	1
North Eastern Alberta	0	0	0	0	0	1	0	0	0	0	1
Peace River	0	0	0	0	0	0	0	0	3	1	4
Red Deer	0	0	0	0	0	0	1	1	1	1	4
South Peace/Grande Prairie	0	0	0	0	0	0	0	0	1	1	2
Stony Plain-lac Ste. Anne	0	0	0	0	0	0	0	0	0	0	0
Sturgeon	0	0	1	0	0	0	0	0	0	0	2
Vegreville	0	0	0	0	0	0	0	1	0	0	1
Wetoka	0	0	0	0	0	0	1	0	0	1	2
Alberta	0	0	1	1	3	2	5	17	30	49	108

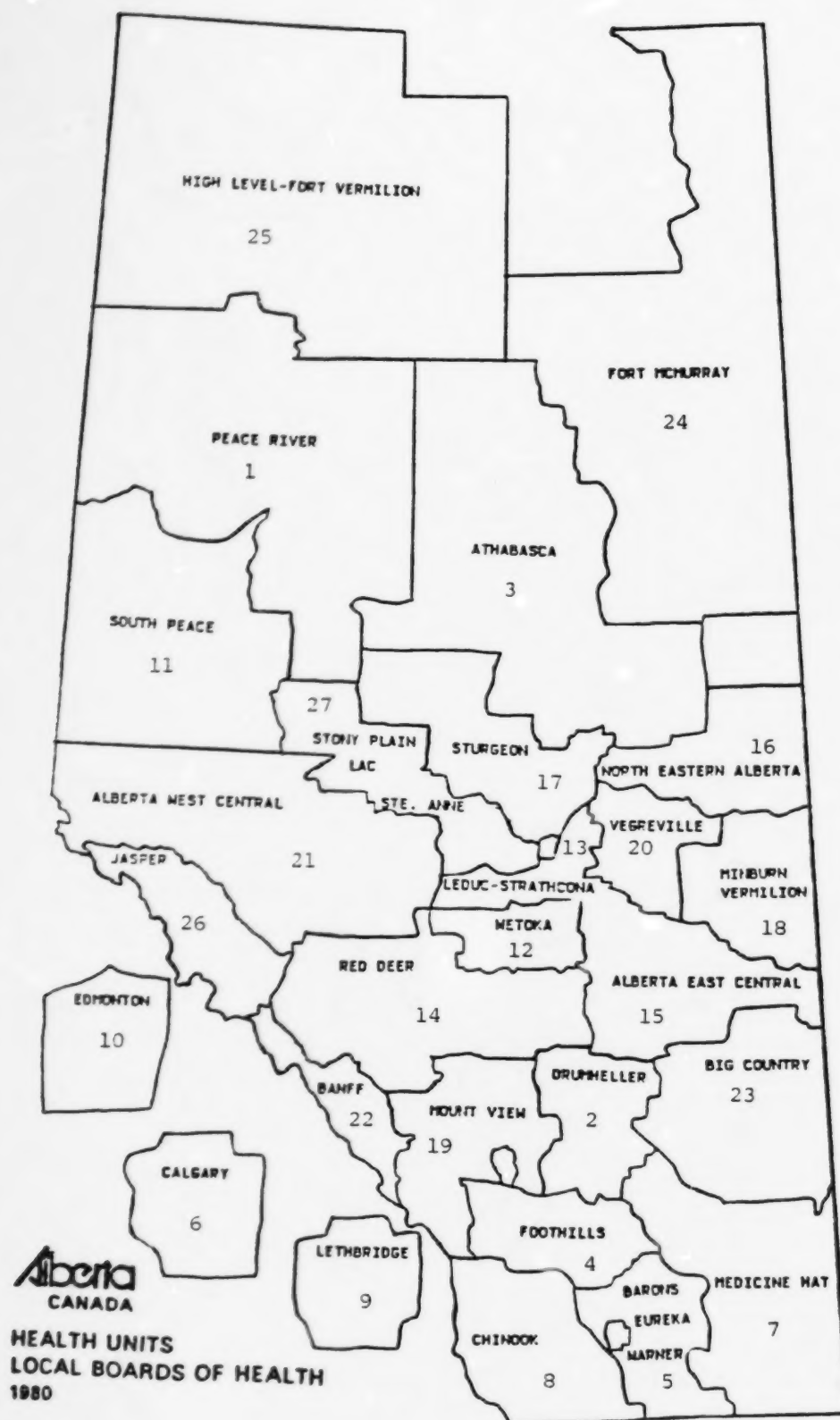
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984
CHRONIC OBSTRUCTIVE LUNG DISEASE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	0	0	44	119
Alberta West Central	0	0	0	0	0	0	0	0	0	0
Altabasca	0	0	0	0	0	0	0	0	0	451
Banff National Park	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	59	0	260
Big Country	0	0	0	0	0	0	0	0	0	0
Calgary	0	0	0	0	1	0	4	23	94	128
Chinook	0	0	0	2	0	0	0	0	68	184
Drumheller	0	0	0	0	0	0	0	0	0	428
Edmonton	0	0	0	0	2	0	67	0	0	144
Foot Hills	0	0	0	0	0	3	0	22	34	144
Fort McMurray	0	0	0	0	0	0	0	143	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	0	0	0	105
Lethbridge	0	0	0	0	20	0	0	39	42	113
Medicine Hat	0	0	0	0	0	0	0	0	122	61
Minburn-Vermilion	0	0	0	0	0	0	31	0	0	110
Mount View	0	0	0	0	0	0	0	0	71	0
North Eastern Alberta	0	0	0	0	0	36	0	0	0	0
Peace River	0	0	0	0	0	0	0	0	329	151
Red Deer	0	0	0	0	0	0	22	24	35	51
South Peace/Grande Prairie	0	0	0	0	0	0	0	0	99	128
Stony Plain-Lac Ste. Anne	0	0	12	0	0	0	0	0	0	0
Sturgeon	0	0	0	0	0	0	0	38	0	0
Vegreville	0	0	0	0	0	0	0	58	0	0
Wetoka	0	0	0	0	0	0	55	0	0	107
Alberta	0	0	1	0	1	1	5	20	52	120

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1984
CHRONIC OBSTRUCTIVE LUNG DISEASE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	6	-1	14	15	0.67	.
Alberta West Central	0	0	0	21	0.00	.
Athabasca	16	-6	38	3	1.78	.
Banff National Park	0	0	0	22	0.00	.
Barons-Eureka-Warner	14	-2	29	5	1.56	.
Big Country	0	0	0	23	0.00	.
Calgary	12	8	16	6	1.33	.
Chinook	10	-1	21	8	1.11	.
Drumheller	21	0	42	2	2.33	.
Edmonton	9	0	13	10	1.00	.
Foothills	16	-2	33	4	1.78	.
Fort McMurray	0	0	0	24	0.00	.
High Level-Fort Vermilion	0	0	0	25	0.00	.
Jasper National Park	0	0	0	26	0.00	.
Leduc-Strathcona	7	-3	16	7	0.78	.
Lethbridge	10	0	20	9	1.11	.
Medicine Hat	11	1	21	7	1.22	.
Minburn-Vermilion	4	-4	12	18	0.44	.
Mount View	4	-3	10	19	0.44	.
North Eastern Alberta	5	-4	14	16	0.56	.
Peace River	22	0	43	1	2.44	.
Red Deer	7	0	14	14	0.78	.
South Peace/Grande Prairie	9	-4	23	11	1.00	.
Stony Plain-Lac Ste. Anne	0	0	0	27	0.00	.
Sturgeon	5	-2	11	17	0.56	.
Vegreville	4	-4	13	20	0.44	.
Wetoka	9	-3	21	12	1.00	.
Alberta	9	8	11			

CHRONIC OBSTRUCTIVE LUNG DISEASE, FEMALES, 1984



NUMBER OF DEATHS, 1984
FEMALES
LIVER CIRRHOSIS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	0	0	0	0	0	0	0
Alberta West Central	0	0	0	0	0	0	1	0	0	0	1
Albany	0	0	0	0	0	0	0	0	0	0	0
Barren National Park	0	0	0	0	0	0	0	0	0	0	0
Barren-Lureka-Warren	0	0	0	0	0	1	0	0	0	0	1
Big Country	0	0	0	0	0	0	0	1	0	0	1
Calgary	0	0	0	0	1	2	3	7	2	3	18
Chinook	0	0	0	1	0	0	0	1	0	0	2
Drumheller	0	0	0	0	1	0	0	1	0	0	2
Edmonton	0	0	0	0	0	2	1	5	6	2	16
Foothills	0	0	0	0	0	0	1	1	0	0	2
Fort McMurray	0	0	0	0	1	0	0	0	0	0	1
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	1	0	0	1	0	2
Lethbridge	0	0	0	0	0	0	2	2	0	1	5
Medicine Hat	0	0	0	0	0	1	2	0	0	0	3
Minburn-Vermilion	0	0	0	0	0	0	0	0	0	0	0
Mount View	0	0	0	0	0	0	0	0	2	1	3
North Eastern Alberta	0	0	0	0	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0	1	0	0	1
Red Deer	0	0	0	0	1	0	0	0	1	0	2
South Peace/Grande Prairie	0	0	0	0	0	1	1	0	1	0	3
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	2	0	0	2
Sturgeon	0	0	0	0	0	0	1	0	1	0	2
Vegreville	0	0	0	0	0	0	0	0	0	0	0
Wetoka	0	0	0	0	0	0	0	0	1	0	1
Alberta	0	0	0	1	4	8	12	21	14	8	68

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984
LIVER CIRRHOSIS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	0	0	0	0	0	0
Alberta West Central	0	0	0	0	0	0	67	0	0	0
Athabasca	0	0	0	0	0	0	0	0	0	0
Banff National Park	0	0	0	0	0	42	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	0
Big Country	0	0	0	0	0	5	11	152	14	0
Calgary	0	0	0	0	1	0	0	33	0	0
Chinook	0	0	0	0	30	0	0	50	14	30
Drumheller	0	0	0	0	0	0	0	62	0	0
Edmonton	0	0	0	0	36	6	4	22	41	19
foothills	0	0	0	0	0	0	68	71	0	0
fort McMurray	0	0	0	0	23	0	0	0	0	0
High Level-fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	12	0	0	69	0
Lethbridge	0	0	0	0	0	0	73	71	0	57
Medicine Hat	0	0	0	0	0	22	62	0	0	0
Minburn-Vermilion	0	0	0	0	0	0	0	0	0	0
Mount View	0	0	0	0	0	0	0	0	141	125
North Eastern Alberta	0	0	0	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0	75	0	0
Red Deer	0	0	0	0	9	0	0	0	0	51
South Peace/Grande Prairie	0	0	0	0	0	29	45	0	99	0
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	26	114	0	0
Sturgeon	0	0	0	0	0	0	0	0	57	0
Vegreville	0	0	0	0	0	0	0	0	0	0
Wetoka	0	0	0	0	0	0	0	0	72	0
Alberta	0	0	0	0	2	5	12	24	24	20

AGE-STANDARDIZED DEATH RATES (PER 1,000 FEMALES), 1984
LIVER CIRRHOSIS

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	0	0	0	20	0.00	.
Alberta West Central	6	-6	18	10	1.00	.
Athabasca	0	0	0	21	0.00	.
Banff National Park	0	0	0	22	0.00	.
Barons-Eureka-Warner	5	-5	16	13	0.83	.
Big Country	11	-11	33	5	1.83	.
Calgary	6	3	9	11	1.00	.
Chinook	9	-4	23	7	1.50	.
Drumheller	12	-5	29	3	2.00	.
Edmonton	5	3	8	14	0.83	.
Foot Hills	11	-4	27	6	1.83	.
Fort McMurray	5	-5	14	15	0.83	.
High Level-Fort Vermilion	0	0	0	23	0.00	.
Jasper National Park	0	0	0	24	0.00	.
Leduc-Strathcona	5	-2	12	16	0.83	.
Lethbridge	14	-2	26	1	2.33	.
Medicine Hat	8	-1	18	8	1.33	.
Minburn-Vermilion	0	0	0	25	0.00	.
Mount View	12	-2	25	4	2.00	.
North Eastern Alberta	0	0	17	26	0.00	.
Peace River	6	-5	17	12	1.00	.
Red Deer	4	-1	9	18	0.67	.
South Peace/Grande Prairie	13	-2	27	2	2.17	.
Stony Plain-Lac Ste. Anne	8	-3	20	9	1.33	.
Sturgeon	5	-2	12	17	0.83	.
Vegreville	0	-3	0	27	0.00	.
Wetoka	4	-3	11	19	0.67	.
Alberta	6	4	7			



NUMBER OF DEATHS, 1984
FEMALES
CONGENITAL ANOMALY

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	2	0	0	0	1	0	0	0	1	0	4
Alberta West Central	1	0	0	0	0	0	0	0	0	0	1
Alberta	2	0	0	0	0	0	0	0	0	0	2
Albion National Park	0	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	1	0	0	0	0	0	0	0	0	0	1
Big Country	1	0	0	0	0	0	0	0	0	0	1
Calgary	12	0	3	1	0	0	0	0	0	1	17
Chinook	0	0	0	0	0	0	0	0	0	0	0
Drumheller	2	0	0	0	0	0	0	0	0	0	2
Edmonton	9	1	0	0	0	0	0	1	0	1	12
Foot Hills	0	0	0	0	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	2	1	0	0	0	0	0	0	0	0	3
Lethbridge	0	1	0	0	0	0	0	0	0	0	1
Medicine Hat	2	0	0	0	0	0	0	0	0	0	2
Minburn-Vermilion	1	0	0	0	0	0	0	0	0	0	1
Mount View	2	0	0	0	0	0	0	0	0	0	2
North Eastern Alberta	6	0	0	0	0	0	0	0	0	0	6
Peace River	1	0	0	0	0	0	0	0	0	0	1
Red Deer	3	0	0	0	0	0	0	0	1	0	4
South Peace/Grande Prairie	3	0	0	0	0	0	0	0	0	0	3
Stony Plain-Lac Ste. Anne	2	0	0	0	0	0	0	0	0	0	2
Sturgeon	2	0	0	0	0	0	0	0	0	0	2
Vegreville	1	0	0	0	0	0	0	0	0	0	1
Wetoka	1	0	0	0	0	0	0	0	0	0	1
Alberta	56	3	3	1	1	0	0	1	2	2	69

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	375	0	0	0	24	0	0	0	44	0
Alberta West Central	215	0	0	0	0	0	0	0	0	0
Atinabasca	664	0	0	0	0	0	0	0	0	0
Barrt National Park	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	226	0	0	0	0	0	0	0	0	0
Big Country	840	0	0	0	0	0	0	0	0	0
Calgary	221	0	7	2	20	0	0	0	0	10
Chinook	0	0	0	0	0	0	0	0	0	0
Drumheller	639	0	0	0	0	0	0	0	0	0
Edmonton	185	6	0	0	0	0	0	4	0	10
Footfalls	0	0	0	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	200	24	0	0	20	0	0	0	0	0
Lehrbridge	0	59	0	0	0	0	0	0	0	0
Medicine Hat	257	0	0	0	0	0	0	0	0	0
Minburn-Vermilion	299	0	0	0	0	0	0	0	0	0
Mount View	293	0	0	0	0	0	0	0	0	0
North Eastern Alberta	1271	0	0	0	0	0	0	0	0	0
Peace River	248	0	0	0	0	0	0	0	0	0
Red Deer	269	0	0	0	0	0	0	0	35	0
South Peace/Grande Prairie	459	0	0	0	0	0	0	0	0	0
Stony Plain-Lac Ste. Anne	284	0	0	0	0	0	0	0	0	0
Sturgeon	212	0	0	0	0	0	0	0	0	0
Vegreville	382	0	0	0	0	0	0	0	0	0
Wetoka	270	0	0	0	0	0	0	0	0	0
Alberta	253	4	2	0	0	0	0	0	3	5

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1984
CONGENITAL ANOMALY

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	14	0	28	3	2.33	.
Alberta West Central	4	-4	12	18	0.67	.
Athabasca	13	-5	30	4	2.17	.
Banff National Park	0	-5	0	22	0.00	.
Barons-Eureka-Warner	4	-4	13	19	0.67	.
Big Country	16	-15	48	2	2.67	.
Calgary	6	3	9	9	2.67	.
Chinook	0	0	0	23	1.00	.
Drumheller	12	0	29	5	2.00	.
Edmonton	5	-5	7	12	0.83	.
Foothills	0	2	0	24	0.00	.
Fort McMurray	0	0	0	25	0.00	.
High Level-Fort Vermilion	0	0	0	26	0.00	.
Jasper National Park	0	0	0	27	0.00	.
Leduc-Strathcona	5	-1	12	13	0.83	.
Lethbridge	4	-4	12	20	0.67	.
Medicine Hat	4	-2	12	14	0.83	.
Minburn-Vermilion	5	-5	17	10	1.00	.
Mount View	6	-2	13	11	1.00	.
North Eastern Alberta	6	-2	14	1	4.00	YES
Peace River	24	-5	44	15	0.83	.
Red Deer	5	-5	14	7	1.17	.
South Peace/Grande Prairie	9	-1	19	6	1.50	.
Stony Plain-Lac Ste. Anne	5	-2	13	16	0.83	.
Sturgeon	4	-2	10	21	0.67	.
Vegreville	7	-7	22	8	1.17	.
Wetoka	5	-5	15	17	0.83	.
Alberta	6	5	7			

CONGENITAL ANOMALY, FEMALES, 1984



4.4/

NUMBER OF DEATHS, 1984
FEMALES
MOTOR VEHICLE ACCIDENTS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	1	0	0	0	1	0	0	0	2
Alberta West Central	0	0	0	0	1	1	0	0	1	0	2
Alberta South Central	0	0	1	1	0	0	0	0	0	0	4
Barons-Fureka-Warner	0	0	0	0	0	0	0	0	0	0	0
Big Country	0	0	0	1	0	0	0	0	1	2	5
Calgary	0	0	0	0	0	0	1	0	0	0	1
Chinook	0	0	1	0	0	2	3	1	1	2	20
Drumheller	0	0	0	0	0	0	0	0	0	1	2
Edmonton	1	0	0	0	0	0	0	1	1	0	1
Foothills	0	0	0	1	1	1	1	0	0	0	15
Fort McMurray	0	0	0	0	0	0	0	0	0	0	4
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	3
Jasper National Park	0	0	0	0	1	0	0	0	0	0	1
Leduc-Strathcona	0	0	0	0	1	1	0	0	0	0	3
Leatherhead	0	0	2	2	1	0	1	0	2	1	9
Medicine Hat	0	1	0	0	2	0	0	1	1	0	5
Minburn-Vermilion	0	0	0	1	0	0	0	1	0	0	3
Mount View	0	0	0	0	1	0	0	0	0	1	3
North Eastern Alberta	0	0	0	0	0	0	1	0	0	0	2
Peace River	0	0	0	0	1	1	0	0	1	0	4
Red Deer	0	1	0	1	1	1	1	1	1	0	13
South Peace/Grande Prairie	0	1	2	6	2	0	0	0	0	0	7
Stony Plain-Lac Ste. Anne	0	0	0	1	1	1	0	0	2	0	8
Sturgeon	0	0	0	0	1	0	1	0	0	0	5
Vegreville	0	0	1	0	0	0	0	0	0	0	1
Wetoka	0	0	1	2	0	0	0	0	0	0	3
Alberta	1	3	10	34	21	9	13	12	12	11	126

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984

MOTOR VEHICLE ACCIDENTS

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	24	0	0	0	38	0	0	0
Alberta West Central	0	0	0	0	27	0	67	0	0	0
Albion	0	0	34	41	0	60	0	0	147	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	0
Big Country	0	0	0	32	32	0	0	0	87	260
Calgary	0	0	2	0	0	0	169	0	0	0
Chinook	0	0	0	10	6	5	11	5	7	20
Drumheller	0	0	0	0	0	0	0	0	68	92
Edmonton	21	0	0	8	0	3	4	62	0	0
Foot Hills	0	0	0	41	2	0	0	13	7	19
Fort McMurray	0	0	0	29	34	45	68	0	0	0
High Level-Fort Vermilion	0	0	0	0	23	0	0	289	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	227	14	0	0	0	0	0
Lethbridge	0	0	53	38	9	12	0	0	85	57
Medicine Hat	0	37	0	30	20	0	36	0	41	0
Minburn-Vermilion	0	0	0	33	0	0	0	63	81	0
Mount View	0	0	0	21	0	0	37	0	0	125
North Eastern Alberta	0	0	0	0	28	36	0	0	0	0
Peace River	0	0	0	28	30	40	0	75	0	0
Red Deer	0	25	12	56	19	0	22	24	35	0
South Peace/Grande Prairie	0	40	40	18	53	0	0	0	0	0
Stony Plain-Lac Ste. Anne	0	0	0	20	30	23	43	57	196	0
Sturgeon	0	0	0	0	11	0	26	38	0	157
Vegreville	0	0	44	0	0	0	0	0	0	0
Wetoka	0	0	32	65	0	0	0	0	0	0
Alberta	5	4	6	16	9	6	13	14	21	27

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1984
MOTOR VEHICLE ACCIDENTS

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	7	-3	16	19	0.64	.
Alberta West Central	11	-4	27	17	1.00	.
Athabasca	28	0	55	4	2.55	.
Banff National Park	0	0	0	26	0.00	.
Barons-Eureka-Warner	26	3	49	6	2.36	.
Big Country	15	-14	44	12	1.36	.
Calgary	6	-4	9	21	0.55	.
Chinook	7	-3	16	20	0.64	.
Drumheller	5	-4	14	24	0.45	.
Edmonton	5	2	8	25	0.45	.
Foothills	26	0	53	7	2.36	.
Fort McMurray	32	-13	76	2	2.91	.
High Level-Fort Vermilion	0	0	0	27	0.00	.
Jasper National Park	42	-41	126	1	3.82	.
Leduc-Strathcona	6	-1	13	22	0.55	.
Lethbridge	28	9	48	5	2.55	YES
Medicine Hat	12	1	23	15	1.09	.
Minburn-Vermilion	15	-2	32	13	1.36	.
Mount View	12	-2	25	16	1.09	.
North Eastern Alberta	10	-4	25	18	0.91	.
Peace River	22	0	44	10	2.00	.
Red Deer	23	11	36	8	2.09	YES
South Peace/Grande Prairie	23	6	39	9	2.09	YES
Stony Plain-Lac Ste. Anne	30	9	52	3	2.73	YES
Sturgeon	13	2	24	14	1.18	.
Vegreville	6	-6	19	23	0.55	.
Wetoka	17	-2	36	11	1.55	.
Alberta	11	9	13			



Alberta
CANADA
HEALTH UNITS
LOCAL BOARDS OF HEALTH
1980

MOTOR VEHICLE ACCIDENTS, FEMALES, 1984

4.50

NUMBER OF DEATHS, 1984
FEMALES
SUICIDE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta last Central	0	0	0	1	0	1	1	0	1	1	5
Alberta West Central	0	0	0	0	0	0	1	0	0	0	1
Alberta East Central	0	0	0	0	0	1	0	1	0	0	2
Barons-Lureka-Warner	0	0	0	0	0	0	0	0	0	0	0
Big Country	0	0	0	0	0	0	0	0	0	0	0
Calgary	0	0	0	0	2	4	6	3	0	1	19
Chinook	0	0	0	0	1	0	1	0	0	0	2
Drumheller	0	0	0	0	0	0	0	0	0	0	0
Edmonton	0	0	0	0	11	10	6	6	2	1	43
Foot Hills	0	0	0	0	1	0	0	0	0	0	1
Fort McMurray	0	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	2	1	0	0	0	0	3
Lehrbridge	0	0	0	0	1	0	0	1	0	0	2
Medicine Hat	0	0	0	0	1	0	0	0	0	0	1
Minburn-Vermilion	0	0	0	0	1	1	0	0	0	0	2
Mount View	0	0	1	0	0	1	0	0	0	0	2
North Eastern Alberta	0	0	0	1	0	0	0	0	0	0	1
Peace River	0	0	0	0	0	0	0	0	0	0	0
Red Deer	0	0	0	0	0	1	1	1	0	0	3
South Peace/Grande Prairie	0	0	0	0	2	0	0	0	0	0	2
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	0	1	0	1
Sturgeon	0	0	0	1	1	1	1	1	1	0	6
Vegreville	0	0	0	0	0	0	0	0	0	0	0
Wetoka	0	0	0	0	1	0	0	0	0	0	1
Alberta	0	0	1	13	24	21	17	13	5	3	97

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984
SUICIDE

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	23	0	31	38	0	44	60
Alberta West Central	0	0	0	0	0	0	67	0	0	0
Athabasca	0	0	0	0	0	60	0	103	0	0
Banff National Park	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	0
Big Country	0	0	0	0	0	10	21	14	0	0
Calgary	0	0	0	5	3	0	0	0	0	0
Chinook	0	0	0	0	0	0	54	0	0	10
Drumheller	0	0	0	0	31	0	0	0	0	0
Edmonton	0	0	0	12	19	0	23	0	0	0
Foot Hills	0	0	0	0	34	29	0	27	14	10
Fort McMurray	0	0	0	0	0	0	0	0	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	18	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	12	0	0	0	0
Lethbridge	0	0	0	0	20	0	0	0	0	0
Medicine Hat	0	0	0	0	15	0	0	35	0	0
Minburn-Vermilion	0	0	0	0	33	49	0	0	0	0
Mount View	0	0	20	0	0	24	0	0	0	0
North Eastern Alberta	0	0	0	26	0	0	0	0	0	0
Peace River	0	0	0	0	0	14	22	24	0	0
Red Deer	0	0	0	0	0	0	0	0	0	0
South Peace/Grande Prairie	0	0	0	0	35	0	0	0	0	0
Stony Plain-Lac Ste. Anne	0	0	0	0	0	0	0	0	98	0
Sturgeon	0	0	0	15	11	15	26	38	57	0
Vegreville	0	0	0	0	0	0	0	0	0	0
Wetoka	0	0	0	0	31	0	0	0	0	0
Alberta	0	0	1	6	10	14	17	15	9	7

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1984
SUICIDE

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	16	1	30	1	2.00	.
Alberta West Central	6	-6	18	10	0.75	.
Althabasca	15	-6	37	2	1.88	.
Banff National Park	0	0	0	19	0.00	.
Barons-Eureka-Warner	0	0	0	20	0.00	.
Big Country	0	0	0	21	0.00	.
Calgary	6	3	9	11	0.75	.
Chinook	11	-4	26	6	1.38	.
Drumheller	0	0	0	22	0.00	.
Edmonton	15	10	19	7	1.88	.
Foothills	7	-7	20	3	0.88	.
Fort McMurray	0	0	0	23	0.00	.
High Level-Fort Vermillion	0	0	0	24	0.00	.
Jasper National Park	0	0	0	25	0.00	.
Leduc-Strathcona	5	-1	11	15	0.63	.
Lethbridge	7	-3	16	8	0.88	.
Medicine Hat	3	-3	9	18	0.38	.
Minburn-Vermillion	13	-5	31	5	1.63	.
Mount View	6	-2	14	12	0.75	.
North Eastern Alberta	5	-5	15	16	0.63	.
Peace River	0	-1	12	26	0.00	.
Red Deer	6	0	0	13	0.75	.
South Peace/Grande Prairie	7	-3	17	9	0.88	.
Stony Plain-Lac Ste. Anne	5	-5	15	17	0.63	.
Sturgeon	15	3	27	4	1.88	.
Vegreville	0	-6	0	27	0.00	.
Wetoka	6	-6	18	14	0.75	.
Alberta	8	7	10			



SUICIDE, FEMALES, 1984

4.54

NUMBER OF DEATHS, 1984
FEMALES
BREAST CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
Alberta East Central	0	0	0	0	1	3	0	2	2	2	10
Alberta West Central	0	0	0	0	1	1	1	1	1	1	6
Albapasca	0	0	0	0	0	0	0	0	0	0	1
Banff National Park	0	0	0	0	0	0	0	0	0	0	0
Barons-Eureka-Warner	0	0	0	0	0	1	0	1	1	0	3
Big Country	0	0	0	0	0	0	0	0	0	0	0
Calgary	0	0	0	0	0	0	0	0	0	0	0
Chinook	0	0	0	0	0	9	10	18	15	14	66
Drumheller	0	0	0	0	0	1	1	0	1	2	4
Edmonton	0	0	0	0	2	4	12	14	10	12	54
foothills	0	0	0	0	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	1	1	0	0	1
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	0	0	0	0	0	0
Leduc-Strathcona	0	0	0	0	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	0	1	2	1	2	1	7
Medicine Hat	0	0	0	0	0	2	0	1	3	2	8
Minburn-Vermilion	0	0	0	0	0	2	1	0	1	1	5
Mount View	0	0	0	0	0	0	2	2	1	2	7
North Eastern Alberta	0	0	0	0	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	1	0	1	2	4
Rod Deer	0	0	0	0	0	0	0	0	0	0	0
South Peace/Grande Prairie	0	0	0	0	0	1	2	5	7	5	17
Stony Plain-Lac Ste. Anne	0	0	0	0	0	2	0	0	2	0	5
Sturgeon	0	0	0	0	0	1	2	4	1	2	10
Vegreville	0	0	0	0	0	0	1	1	1	1	5
Wetoka	0	0	0	0	0	1	0	3	0	1	5
Alberta	0	0	0	0	5	29	39	57	54	55	239

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1984
BREAST CANCER

HEALTH UNIT	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alberta East Central	0	0	0	0	24	92	0	69	88	119
Alberta West Central	0	0	0	0	27	40	67	97	168	264
Alberta	0	0	0	0	0	0	84	0	0	0
Atabasca	0	0	0	0	0	0	0	0	0	0
Banff National Park	0	0	0	0	0	42	0	59	87	0
Barons-Eureka-Warner	0	0	0	0	0	0	0	0	0	0
Big Country	0	0	0	0	0	22	36	84	108	138
Calgary	0	0	0	0	0	43	0	0	68	92
Chinook	0	0	0	0	0	0	0	0	89	285
Drumheller	0	0	0	0	36	12	45	63	68	115
Edmonton	0	0	0	0	4	0	0	143	97	287
Foot Hills	0	0	0	0	0	0	136	0	0	0
Fort McMurray	0	0	0	0	0	0	0	483	0	0
High Level-Fort Vermilion	0	0	0	0	0	0	0	0	0	0
Jasper National Park	0	0	0	0	0	12	51	39	138	105
Leduc-Strathcona	0	0	0	0	0	59	0	35	127	113
Lethbridge	0	0	0	0	0	45	31	29	82	183
Medicine Hat	0	0	0	0	0	0	124	98	81	110
Minburn-Vermilion	0	0	0	0	0	0	73	0	0	250
Mount View	0	0	0	0	0	0	56	0	94	252
North Eastern Alberta	0	0	0	0	0	0	0	0	0	151
Peace River	0	0	0	0	0	0	0	118	242	256
Red Deer	0	0	0	0	0	29	0	0	197	0
South Peace/Grande Prairie	0	0	0	0	0	45	91	0	98	0
Stony Plain-Lac Ste. Anne	0	0	0	0	0	15	53	153	57	157
Sturgeon	0	0	0	0	0	0	68	58	142	96
Vegreville	0	0	0	0	0	42	0	164	0	107
Wetoka	0	0	0	0	0	0	0	0	0	0
Alberta	0	0	0	0	2	19	38	66	93	134

4.57

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1984
BREAST CANCER

HEALTH UNIT	RATE	LOWER	UPPER	RANK	RATIO	SIG
Alberta East Central	30	11	50	3	1.43	.
Alberta West Central	41	7	75	1	1.95	.
Athabasca	7	-7	22	23	0.33	.
Banff National Park	0	0	0	25	0.00	.
Barons-Eureka-Warner	14	-2	30	20	0.67	.
Big Country	0	0	0	26	0.00	.
Calgary	23	0	28	7	1.10	.
Chinook	17	17	34	19	0.81	.
Drumheller	22	0	43	9	1.05	.
Edmonton	18	13	23	18	0.86	.
Foothills	26	3	48	5	1.24	.
Fort McMurray	12	-12	36	21	0.57	.
High Level-Fort Vermilion	36	-35	106	2	1.71	.
Jasper National Park	0	5	35	27	0.00	.
Leduc-Strathcona	20	5	35	15	0.95	.
Lethbridge	21	6	36	12	1.00	.
Medicine Hat	21	7	35	13	1.00	.
Minburn-Vermilion	19	0	38	16	0.90	.
Mount View	23	4	41	8	1.10	.
North Eastern Alberta	19	0	37	17	0.90	.
Peace River	5	-5	16	24	0.24	.
Red Deer	30	16	44	4	1.43	.
South Peace/Grande Prairie	22	3	41	10	1.05	.
Stony Plain-lac Ste. Anne	11	-2	23	22	0.52	.
Sturgeon	26	10	43	6	1.24	.
Vegreville	21	2	40	14	1.00	.
Wetoka	22	2	41	11	1.05	.
Alberta	21	18	23			



BREAST CANCER, FEMALES, 1984

APPENDICES



APPENDIX A

In this appendix the method of health unit population projection used in the report is described. The statistics needed consist of: the 1981 health unit census enumerations, the 1981 Alberta enumerations, and the 1984 Alberta post-censal estimates. All of these statistics are available directly or indirectly (through Alberta Bureau of Statistics) from Statistics Canada.

The method of projection simply scales the 1981 population of each health unit, by age group and by sex, according to a factor which relates the 1981 population of Alberta to that of 1984.

For a given sex, let n_{ij} (81) equal the number of individuals in the i^{th} age group of the j^{th} health unit in 1981, and let N_i (81) equal the number of individuals in the i^{th} age group in Alberta as a whole in 1981. For chapter 1 and 2 there are eight age groups, and for chapters 3 and 4 there are ten. The corresponding numbers for 1984 are n_{ij} (84) and N_i (84). The problem is to estimate n_{ij} (84) from n_{ij} (81), N_i (81) and N_i (84). Defined by:

$$f_i(81,84) = \frac{N_i(84)}{N_i(81)}$$

The $f_i(81,84)$ scales the 1981 Alberta population in the i^{th} age group to that of 1984 in the sense that $f_i(81,84) N_i(81) = N_i(84)$. The project estimate of n_{ij} (84) is then defined by:

$$n_{ij}(84) = f_i(81,84) n_{ij}(81).$$

Note that the same factor $f_i(81,84)$ is used for the i^{th} age group for all health units and so the assumption has been made that there has been a uniform of growth (or decline) common to all health units.

APPENDIX B

In this section the standardization methods and statistical techniques used in the report are described. The discussion applies to both live birth rates and death rates. For concreteness the discussion will be phrased in terms of death rates.

As in Appendix A, let n_{ij} equal the number of individuals in the i^{th} age group of the j^{th} health unit (for a given sex and year) and let d_{ij} be the corresponding number of deaths (for a given cause). Summing n_{ij} and d_{ij} over the index j (that is, over all health units) results in the number of individuals and deaths in the i^{th} age group in Alberta as a whole, denoted by N_i and d_i , respectively. The total number of Albertans and the total number of deaths is obtained by summing N_i and d_i over the index i , and will be denoted by N and d , respectively.

The date rate for the i^{th} age group and j^{th} health unit is defined by:

$$r_{ij} = \frac{d_{ij}}{n_{ij}},$$

and the corresponding rate for Alberta defined by:

$$R_i = \frac{d_i}{N_i}.$$

The standard error of r_{ij} may be estimated(1) by:

$$SE(r_{ij}) = \frac{d_{ij}}{n_{ij}} \sqrt{\frac{1}{n_{ij}}},$$

and a 95% confidence interval constructed from

$$r_{ij} \pm 1.96 SE(r_{ij}).$$

Formulas are similarly defined for R_i .

1 Chiang, C.L. 1984. The Life Table and Its Applications. Malabar: Krieger.

The age-standardized death rate for the j^{th} health unit, standardized to the Alberta population, is defined by:

$$sdr_j = \frac{\sum_i W_i r_{ij}}{\sum_i W_i}$$

where

$$W_i = \frac{N_i}{N}$$

Consequently, sdr_j is a weighted average of age-specific death rates for the j^{th} health unit, where the weights W_i are determined by the Alberta age distribution.

The standard error of sdr_j is defined by:

$$SE(sdr_j) = \left(\sum_i W_i^2 SE(r_{ij})^2 \right)^{\frac{1}{2}}$$

Since age-standardization is according to the Alberta population, the age-standardized death rate for Alberta, given by:

$$SDR = \frac{\sum_i W_i R_i}{\sum_i W_i}$$

simplifies to

$$SDR = \frac{D}{N}$$

which is usually referred to as the crude death rate. From an earlier formula,

$$SE(SDR) = \left(\frac{D}{N} \right)^{\frac{1}{2}}$$

A test of the hypothesis that the standardized rate for the j^{th} health unit differs from the Alberta rate may be based on the Z - statistic.

$$Z = \frac{sdr_j - SDR}{\left(SE(sdr_j)^2 + SE(SDR)^2 \right)^{\frac{1}{2}}}$$

For the (one-sided) hypothesis that sdr_j is greater than SDR, the test is significant. (at the 5% level) if

$$Z \geq 1.64 .$$